11

Attachment I

o antheraea p
p helicoverpa
mus musculu
tetracdon n
d terracdon n
d tersophila
nome sapien
d drosophila
d drosophila
nome sapien
d drosophila
sos terracdon n
tetracdon n
caenorhabdi
mus musculu

		······		·	
		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		MA SO	1492 1493 1494 1495 1499 1499 1500
LIBOTIDE SEQUENCE [LARGE SCALE MRNA]. LINBE-22887296; PubMed=12975309; DOI=10.1101/gr. Bik H.F., Gurney A.L., Abaya E., Baker K., Baldw an J., Chow B., Chui C., Crowley C., Currell B., con D., Foster J.S., Grimaldi C., Gu Q., Hass P.	QUENCE [LARGE SCALE MENA]. 917, PubMed=11230166; DOI=10.1101/gr.1: 1918, Wellenreuther R., Gassenhuber occiber M., Bloecker H., Bauersachs S., 1919, State M., Beyer A., Koehrer K., Si 1910, Obermaier B., Tampe J. 1911, Other M., Poustka A.; 1911, Tampe J. 1911, Other M., Poustka A.; 1911, Other M.	alifu M.O., Markell M.S., Be ; telet F11 receptor: a cell a lin superfamily involved in lin superfamily involved in lin superfamily involved in lin superfamily involved in line superfamily involved in superfamily involved	TaxID=9606; OTIDE SEQUENCE [MRNA]. OTIDE SEQUENCE [MRNA]. NE=99323940; PubMed=10395639; H., Ishii K., Horiuchi H., Arai H., Kawamoto T. teu A., Kita T.; Tolonal adhesion molecule in human endothelial munol. 163:553-557(1999). OTIDE SEQUENCE [MRNA]. OTIDE SEQUENCE [MRNA].	HIMAN STANDARD; PRT; 299 AA. QY624; 16-OCT-2001 (Rel. 40, Created) 16-OCT-2001 (Rel. 40, Last sequence update) 13-SEP-2005 (Rel. 48, Last sequence update) Junctional adhesion molecule A precursor (JAM-A) (Jumolecule 1) (JAM) (Platelet adhesion molecule 1) (PA receptor). Name=F1LR; Synonyms=JAM1, JCAM; ORFNames=UNQ264/PRO3 Homo sapiens (Human). Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria; Buarchontoglires; Primates; Cata	92 117.5 7.6 764 2 068D81_HUMAN 93 117.5 7.6 793 2 QARY64_TSTNG 94 117.5 7.6 848 2 Q25198_HYDAT 95 117.5 7.6 1089 1 PGFRA_HUMAN 96 117.5 7.6 1198 2 Q60T65_CAEBR 97 117.5 7.6 1240 1 NFASC_MOUSE 98 117.5 7.6 1251 2 Q6ZQ54_MOUSE 99 117.5 7.6 2343 2 Q5TX11_ANOGA 00 117.5 7.6 6710 2 Q61SF4_CAEBR ALIGNMENTS
1293003; in D.T., Brush J., Deuel B., Dowd P., B., Heldens S.,	14701; I, Glassl S., Blum H., rrack N., Heubner D., Lencing and cDNAs.";	P ← ⊅.	, Okawa K redistri cells.";	(Junctional adhesion (PAM-1) (Platelet F11 RO301; a, Euteleostomi; atarrhini; Hominidae;	Q68d81 homo sapien Q4ry64 tetraodon n Q25198 hydra atten P16234 homo sapien Q60165 caenorhabdi g810u3 mus musculu Q5zr41 anopheles g Q61sf4 caenorhabdi

S PAGE BLANK (USPTO)

```
RA Strausberg R.L., Peingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Altschul S.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Stapleton M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Richards S., MocEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley N.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Willalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Rodriguez A.C., Grimwood J.W., Green S.D., Dickson M.C.,
RA Blakesley R.W., Touchman J.W., Green S.D., Dickson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
RA Rodriguez A.C., Grimwood J., Schmutz J.M., Warra M.A.,
RA Schnerch A., Schein J.S., Jones S.J.M., Marra M.A.,
RA Schnerch A., Schein J.S., Jones S.J.M., Marra M.A.,
RA Generation and initial analysis of more than 15,000 full-length human
RT and mouse cDNA sequences.",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J., Lewis L., Liao D., Mark M.R., Robble B., Sanchez C., Schoenfeld J Seshadiri S., Simmons L., Singh J., Smith V., Stinson J., Vagts A Vandlen R.L., Watanabe C., Wieand D., Woods K., Xie M.-H., Yansura D.G., Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard Wood W.I., Godowski P.J., Gray A.M., "The secreted protein discovery initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane protein bioinformatics assessment."; Genome Res. 13:2265-2270(2003).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDLINE=22388257;
and the
Trends
                                                                                                                                                                                                                                                                                                                                                                                                                                                          INTERACTION WITH MPDZ.

PubMed=11489913; DOI=10.1083/jcb.200103047;

PubMed=11489913; DOI=10.1083/jcb.200103047;

Itoh M., Sasaki H., Furuse M., Ozaki H., Kita T., Tsukita Itoh M., Sasaki H., Furuse M., Ozaki H., Kita T., Tsukita Itoh M., Sasaki H., Furuse M., Ozaki H., Kita T., Tsukita Itoh M., Sasaki H., Furuse M., 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Exploring proteomes and analyzing protein processing by mass spectrometric identification of sorted N-terminal peptides."; Nat. Biotechnol. 21:566-569 (2003).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PROTEIN SEQUENCE OF 28-42.

PubMed=15340161; DOI=10.1110/ps.04682504;

Zhang Z., Henzel W.J.;

"Signal peptide prediction based on analyverified cleavage sites.";

Protein Sci. 13:2819-2824(2004).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MAIK U.P., Ehrlich Y.H., Kornecki E.;
"Mechanisms of platelet activation by
linking of a novel platelet receptor f
the FC gamma RII receptor.";
Biocham T Transparent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA].
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gevaert K., Goethals M., Martens L., Thomas G.R., Vandekerckhove J.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDLINE=22608298; PubMed=12665801; DOI=10.1038/nbt810;
Gevaert K., Goethals M., Martens L., Van Damme J., Sta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PubMed=7646439
                                                                                                                                                                                                                                      Muller W.A.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    rissum=Platelet;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PROTEIN SEQUENCE OF 28-39.
                                                      "Leukocyte-endothelial-cell interactions in leukocyte transmigration and the inflammatory response.";
Trends Immunol 24:327-334(2003)
                                                                                                                                                                                                                                                                                            PubMed=12810109;
      FUNCTION: Seems
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE OF 28-103 AND 123-130,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              J. 310:155-162(1995).
                                                                                                                                                                                                                                                                                                                                                         NOMENCLATURE
                                                                                                                                                                                                                                                                                                   DOI=10.1016/S1471-4906(03)00117-0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PubMed=12477932; DOI=10.1073/pnas.242603899;
      plays a
                  role
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       analysis of
                  'n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       r a stimulatory antibody: cross-
for monoclonal antibody F11 with
                  epithelial tight junction
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AND N-GLYCOSYLATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 experimentally
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             R-3: a possible
junctions.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Staes A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Goddard A.D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            proteins:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         > 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    human
```

```
S
                                                 B
                                                                      5
                                                                                                     밁
                                                                                                                            5
                                                                                                                                                      밁
                                                                                                                                                                             5
                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                          Best Local
                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EMBL; AP111713; AAD42050.1; EMBL; AF207907; AAF22829.1; EMBL; AF172398; AAD488777.1; EMBL; AL136649; CAB66584.1; EMBL; AY358896; AAQ89255.1; EMBL; BC001533; AAH01533.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     <del>-</del>
                                                                                                                                                                                                                                                                              TOPO DOM
TRANSMEM
TOPO DOM
DOMAIN
DOMAIN
CARBOHYD
DISULFID
DISULFID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PIR; A59406; S56749.
PDB; 1NBQ; X-ray; A/B=27-233
Ensembl; ENSG00000158769; Hot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            This Swiss-Prot entry is copyright. It is produced through a c
between the Swiss Institute of Bioinformatics and the EMBL
the European Bioinformatics Institute. There are no restrict
                                                                                                                                                                                                                                                                 SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                         Pfam; PF00047; ig; 1.
PROSITE; PS50835; IG_LIKE; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 use as long as
                                                                                                                                                                                                                                                                                                                                                                                       CHAIN
                                                                                                                                                                                                                                                                                                                                                                                                     SIGNAL
                                                                                                                                                                                                                                                                                                                                                                                                                              3D-structure; Direct
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    InterPro;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      IGNC; HGNC:14685; F11R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     formation. Appears early in primordial forms of cell junctions recruits PARD3. The association of the PARD6-PARD3 complex may prevent the interaction of PARD3 with JAM1, thereby preventing tight junction assembly (By similarity). Plays a role in regulating monocyte transmigration involved in integrity of epithelial barrier. Involved in Platelet activation. The SUBUNIT: Interacts with the first PDZ domain of PARD3. The association between PARD3 and PARD6B probably disrupts this interaction (By similarity). Interacts with the ninth PDZ domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GO:0005911; C:intercellular junction; TAS GO:0006954; P:inflammatory response; TAS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PTM: N-Glycosylated.
SIMILARITY: Belongs to the immunoglobulin superfamily.
SIMILARITY: Contains 2 Ig-like V-type (immunoglobulin-like)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SUBCELLULAR LOCATION: Type I membrane protein (Potential).
Localized at tight junctions of both epithelial and endothelial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          605721; -.
                           181
                                                                             121
                                                                                                                                                                                                            299;
                                                                                                      61
                                                                                                                                61
                                                                                                                                                           H
                                                                                                                                                                                    ,..
                                                                                                                                                                                                                          Similarity
                                                                                                                                                                       MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
                  RAFSNSSYVLNPTTGELYFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV 240
                                                                                                      EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                     EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG 120
                                                                                                                                                         RAPSNSSYVLNPTTGELVPDPLBASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
                                                    EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEODGSPPSE
                                                                   EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSBQDGSPPSEYTWFKDGIVMPTNPKST 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IPR007110; Ig-like.
                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    its
                                                                                                                                                                                                                                                                                                                                                                                                                 domain;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    content is
                                                                                                                                                                                                                                                                                          27
299
238
259
259
125
125
185
                                                                                                                                                                                                                                                                                                                                                                                                                protein sequencing; Glycoprotein;
protein; Signal; Tight junction; Transmembrane.
                                                                                                                                                                                                                          100.0%;
                                                                                                                                                                                                                                                                    32583
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo
                                                                                                                                                                                                                                                                    Œ,
                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                       Ig-like V-type 1.
Ig-like V-type 2.
N-linked (GlcNAc.
                                                                                                                                                                                                                                                                                                                                             Cytoplasmic (Potential).
                                                                                                                                                                                                                                                                                                                                                                         Extracellular (Potential)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ħ
                                                                                                                                                                                                                                                                                Potential
                                                                                                                                                                                                                                                                                                                                                               Potential
                                                                                                                                                                                                                                                                                                                                                                                          Junctional adhesion molecule
                                                                                                                                                                                                              Score 1544; DB 1; pred. No. 1.8e-111; Mismatches 0;
                                                                                                                                                                                                                                                                                             Potentia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              mRNA.
mRNA.
mRNA.
mRNA.
mRNA.
mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       sapiens.
                                                                                                                                                                                                                                                                    D95DE2FEA23D2851 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    way modified and this statement
                                                                                                                                                                                                                                                                                                            .) (Potential).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (Potential)
                                                                                                                                                                                                                                          Length 299;
                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     restrictions on
                                                                                                                                                                                                                  0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   collaboration -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   domain
                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ë
                                                                                                                                                               60
                                                        180
```

181

THIS PAGE BLANK (USPTO)

```
hbmitted (MAY-2005) ..., mRNA.
MBL; CR533512; CAG38543.1; -; mRNA.
MBL; AF191495; AAG28379.1; -; mRNA.
MBL; AF490407; AAO84556.1; -; Genomic
MBL; BT020103; AAV38906.1; -; mRNA.
MBL; AL591806; CAI15365.1; -; Genomic
MBL; AK075152; BAC11436.1; -; mRNA.
MBL; AK075152; BAC11436.1; -; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .T 2
34 HUMAN
QEFIB4 HUMAN PRELIMINARY;
QEFIB4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Otsuki T., Ota T., Nishikawa T., Hayashi K., Suzuki Y., Yamamoto J., Wakamatsu A., Kimura K., Sakamoto K., Hatano N., Kawai Y., Ishii S., Saito K., Kojima S., Sugiyama T., Ono T., Okano K., Yoshikawa Y., Aotsuka S., Sasaki N., Hattori A., Okumura K., Nagai K., Sugano S.,
                                                                                                                                                                                                                                                                                                                                                                                     Koundinya M., Raphael J., Moreira D., Kelley T., LaBaer J., Phelan M., Farmer A.; *Cloning of human full-length CDSs in BD Creator(TM) System
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Isogai T.;
"Signal Sequence and Keyword Trap in silico for Selection of Full-
Length Human cDNAs Encoding Secretion or Membrane Proteins from Ol-
Tapped cDNA Libraries.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Kalnine N.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TISSUE-Placenta;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Identification and characterization of KAT, a novel gene preferentially expressed in several human cancer cell lines.", Biol. Chem. 384:763-775(2003).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDLINE=22701983; PubMed=12817473; DOI=10.1515/BC.2003.085; Wenzel K., Felix S.B., Flachmeier C., Heere P., Schulze W., Grunewald I., Pankow H., Hewelt A., Scherneck S., Bauer D.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUCLEOTIDE SEQUENCE.

MEDLINE-20537956; PubMed-11087121; DOI=10.1080/15216540050176593;

Gupta S.K., Pillarisetti K., Ohlstein B.H.;

"Platelet agonist F11 receptor is a member of the immunoglobulin superfamily and identical with junctional adhesion molecule (JAM); regulation of expression in human endothelial cells and macrophages."; INMB Life 50:51-56(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUCLEOTIDE SEQUENCE.

Ebert L., Schick M., Neubert P., Schatten R., Henze S., Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                          Marrison B.
                                                                                                                                                                                                                                                                                  WCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                         submitted (OCT-2004)
                                                                                                                                                                                                                                                                                                                                                                      rector.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    JNA Res. 12:117-126(2005).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hoehe M.R.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens (Human).
Bukaryota; Metazoa; Chordata; Craniata; Vertebr
Mammalia; Butheria; Buarchontoglires; Primates;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
Filk protein (Fil receptor protein) (JAM1) (Hypothetical protein FLJ90671).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Name=F11R; ORFNames=RP11-544M22.2-001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (MAY-2005) to the EMBL/GenBank/DDBJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Chen X.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Rolfø
                                                                                                                                                                                                                                                                                                                                         ő
                                                                                                                                                                                                                                                                                                                                      the EMBL/GenBank/DDBJ
                                                                                                                                                                                                                                                                                                                                                                                                                                            A., Halleck.A., Hines L., Eig
Moreira D., Kelley T., LaBaer
                                                                           Genomic_DNA
                                                                                                                                      Genomic DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Vertebrata; Euteleostomi; rimates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ₿
                                                                                                                                                                                                                                                                                                                                      databases
                                                                                                                                                                                                                                                                                                                                                                                                                                         , Eisenstein
Baer J., Lin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13
13
                                                                                                                                                                                                                                                                                                                                                                                                                                               × .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Oligo-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              299
```

```
RESULT 3
Q9YSB2 HUMAN
ID Q9YSB2;
DT 01-NOV-1999 (T
DT NOV-1999 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Simi
Matches 299;
                            Query Match
Best Local
       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ensembl; ENSG00000158769; Homo sapiens.
GO; GO:0004872; F:receptor activity; IEA.
InterPro; IPR003599; Ig.
InterPro; IPR007110; Ig-11ke.
InterPro; IPR007110; Ig-2.
InterPro; IPR003598; Ig_c2.
InterPro; IPR003596; Ig_v.
pfam; PP00047; Ig; 1.
SMART; SM00409; IG; 2.
SMART; SM00406; IGc2; 2.
SMART; SM00406; IGC2; 2.
SMART; SM00406; IGC2; 2.
SMART; SM00406; IGC2; 2.
                                                                                                    PROSITE; PS50835; IG_LIKE; 1.
Immunoglobulin domain; Transmembrane
SEQUENCE 259 AA; 28122 MW; FE385;
                                                                                                                                                                                                                                                                                                                                       Liu Y., Nusrat A., Schnell F.J., Walsh S., Rea Poley C., Parkos C.A.; Submitted (MAY-1999) to the EMBL/GenBank/DDBJ-!- SUBCELLULAR LOCATION: Type I membrane prot EMBL; AF154005; AAD43794.1; -; mRNA.
                                                                                                                                                                    Ensembl; ENSG00000158769; Homo InterPro; IPR007110; Ig-like. InterPro; IPR003598; Ig-c2. Pfam; PF00047; Ig; 2. Pfam; SMART; SM00408; IGc2; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-NOV-1999 (TrEMBLrel. 12, Created)
01-NOV-1999 (TrEMBLrel. 12, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Receptor.
SEQUENCE
                                                                                                                                                                                                                                                                                                   HSSP; Q9Y624; INBQ.
SMR; Q9Y5B2; 20-193.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens (Human).

Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Junction adhesion molecule.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         181
     al Similarity
257, Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSPLV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWPKDGIVMPTNPKST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSBQDGSPPSBYTWFKDGIVMPTNPKST 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RAPSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          299 AA;
     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%;
                            83.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          32583 MW;
     0
Score 1281; DB 2;
Pred. No. 3.8e-91;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 1544;
Pred. No. 1.
                                                                                                    FE38521A911582D0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          D95DE2FEA23D2851 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.8e-111;
                                                                                                                                                                                                                                                                                                                                                                        protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                              Reaves T.A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                    databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0
                                                                                                    CRC64;
                                              Length
     Indels
                                                                                                                                                                                                                                                                                                                                                                        βy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                           similarity)
                                                   259;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pochet
     40;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ç
                                                                                                                                                                                                                                                                                                                                                                                                                                                3
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      60
2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0
```

IHIS PAGE BLANK (USPTO)

```
Result
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Minimum
Maximum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Title:
Perfect
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Database
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9
        30222222222111111111
10287654321098765432109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           number
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
        1544
11546
1176.5
11096.5
11096.5
10099.5
10099.5
10099.5
580.5
580.5
580.5
580.5
580.5
580.5
201.5
534.5
534.5
534.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
231.5
23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               geq
geq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ō,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein search, using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               length:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BLOSUM62
Gapop 10.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         hits satisfying
        Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                UniProt_05.80:*
1: uniprot_sprot:*
2: uniprot_trembl:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2166443 seqs, 705528306 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-785-433-1
1544
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           May 16, 2006, 07:02:51; Search time 229 Seconds (without alignments) 921.192 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MGTKAQVERKLLCLFILAIL.....YSQPSARSEGEFKQTSSFLV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Copyright
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2000000000
        GenCore version 5.1.8 (c) 1993 - 2006 Biocceleration Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gapext
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               명
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           chosen parameters:
QAM1 HUMAN
QAFIBA HUMAN
QAFIBA HUMAN
QAFIBA HUMAN
QAFIBA BOVIN
QASEPRE BOVIN
JAM1 RĀT
QBVC39 MOUSE
JAM1 MĀUSE
QBVK39 MOUSE
QBVK39 MOUSE
QBVK39 TETNG
Q4828 TETNG
Q4828 TETNG
Q4826 TETNG
Q5826 TETNG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ЖB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2166443
  Description
    y mus musculu
y mattus nory
y xenopus lae
y xenopus lae
y xenopus lae
y xenopus tro
b tetraodon n
homo sapien
homo sapien
homo sapien
homo sapien
mus musculu
mus musculu
y mus musculu
y mattus nory
i gallus gall
i tetraodon n
hetraodon n
hetraodon n
hetraodon n
hetraodon n
hetraodon n
homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    homo sapien
homo sapien
bos taurus
bos taurus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 299
        193
192.5
192.5
192.5
193.5
199.5
199.5
189.5
185.5
185.5
185.5
185.5
185.5
185.5
185.5
187.5
188.1
189.1
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
181.5
18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      214.5
214.5
213.5
213.5
213.5
210.5
210.5
200.5
200.5
200.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
207.5
        $635 | $635 | $635 | $635 | $635 | $635 | $635 | $345 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $635 | $6
    Q9H6B4 HUMAN
Q8N4F1 HUMAN
Q8N4F1 HUMAN
Q8N4F1 HUMAN
Q8R3 TETING
Q44U30 TETING
Q4U68 MANSE
Q8U68 HUMAN
Q10465 HUMAN
Q3045 HUMAN
Q77KRF5 CANFA
Q4FRF5 CANFA
Q4FRF5 TETING
Q77KRF5 TETING
Q8U123 PIG
Q77KRF5 TETING
Q8U123 PIG
Q8U123 PIG
Q8U123 HUMAN
Q4U121 TETING
Q8U513 HUMAN
Q5KFFF
LIGT HUMAN
Q5KFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Q4V704 XENLA
Q96S07 HUMAN
Q95RW7 HUMAN
Q95RW7 HUMAN
Q95RW7 HUMAN
Q95RW7 HUMAN
Q95RW7 HUMAN
Q95RW7 HUMAN
Q95W2 RATE
Q9164 XENTR
Q9164 XENTR
Q9164 XENTR
Q9164 XENTR
Q9164 XENTR
Q9164 XENTR
Q5U22 RAT
HUMAN
Q5U13 HUMAN
Q5U13 HUMAN
Q5U13 HUMAN
Q5U13 HUMAN
Q5U13 HUMAN
Q5U14 HUMAN
Q5U16 RATE
Q85R16 BRARE
Q85R16 RATE
Q85R16 RATE
Q85R16 XENTR
Q45W34 HUMAN
Q5U18 CANPA
Q5U18 CANPA
Q5U18 CANPA
Q5U19 RATE
Q45W34 RATE
Q47W7 MACFA
Q7TPB4 RATE
Q47W7 MACFA
Q7TPB4 RATE
        054764
054764
054913
044918
086287
086287
086287
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
096103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Q4v7q4
Q968c3
Q5tyr7
Q96rw7
Q9ygv5
Q90y50
Q90y50
Q6p359
Q91664
Q91664
Q5u2p2
                                                                                                        homo sapien
homo sapien
sus scrofa
anopheles g
homo sapien
homo sapien
homo sapien
homo sapien
homo sapien
manduca sex
manduca sex
                                                                                                                                                                                                                                                                                                    macaca fasc
i homo sapien
homo sapien
homo sapien
drosophila
drosophila
drosophila
sanopheles g
xenopus lae
homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      o rattus norv
6 hirudo medi
7 sus scrofa
5 canis famil
6 tetraodon n
6 tetraodon n
8 sus scrofa
8 bomo sapien
7 tetraodon n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8 manduca sex
2 homo sapien
6 rattus norv
3 xenopus tro
1 homo sapien
5 homo sapien
5 mus musculu
1 mus musculu
        homo sapien manduca sex manduca sex homo sapien homo sapien homo sapien homo sapien homo sapien caenorhabdi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             pongo pygma
homo sapien
homo sapien
tetraodon n
brachydanio
mus musculu
homo sapien
canis famil
xenopus tro
macaca fasc
retugus sorofa
bos taurus
bos taurus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               gallus gall
brachydanio
xenopus tro
xenopus lae
rattus norv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      homo sapien
homo sapien
mus musculu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               homo sapien
homo sapien
homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   mus musculu
tetraodon n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               tetraodon n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             xenopus
```

			161	159	157	154	153	151	149	147	145	143	140	136	135	133	131	129	127	125	123	121	119	117	116	114	:::	11;	100	105
170 171 172 173 174 176	166 167 168 169	0 0 0												Ψω.													N F	-00	0 0 7	
168.5 168.5 167.5 167.5 167.5 167.5	თთ	169 169		000	א סטס	169.5	οσ	000		170	170	170.5	170.5 170.5	171	171.5 171	172	172	.	172.5	173	173	~1 ~	173.5	-1 -1	174 174	174	174.5	175.5	176 175.5	177.5 176.5
10.8 10.8 10.8 10.8	0000	000	00		- ;- ;-	نز نز .		- -	- j- j-	:	:	:	11.0	:	. : :	:		:	:	<u> </u>			- 1- !					- :: :		11.5 11.4
3410 2 6620 2 372 2 1746 2 2012 1 2023 2 237 2 404 2																											200	395		73 33
O7TNOO_RAT Q96AA2_HUMAN Q6VAN6_BOVIN Q8WY19_HUMAN DSCAM_HUMAN Q59GH3_HUMAN Q59GH3_HUMAN Q59CH3_RAT	Q71805_BRARE Q9NR99_HUMAN Q6DDE7_XENLA O60926_HUMAN	Q8KOX1_MOUSE Q91X98_MOUSE	Q8BYS4 MOUSE	Q4SCT9_TETNG O97394_DROME	Q9TWA6_APLCA	Q8CIB8 MOUSE Q9TWA5_APLCA	Q8C3V5_MOUSE	Q5J7D9_MOUSE	Q5HZ61 XENTR	Q5W435_FUGRU	QSW431_FUGRU	Q9ERC8_MOUSE O4T6S3_TETNG	Q6RWT4 BOVIN Q6VAN8 BOVIN D8VH78 BAT	LRIG1 MOUSE	Q4S6A5_TETNG Q7TMH2_MOUSE	Q6WRH9_RAT Q6WRIO_HUMAN	Q86YJ9_HUMAN	Q80U60_MOUSE	Q501T5_BRARE Q21038_CAERL	Q671P8 HUMAN	Q6ZWL4_HUMAN	Q9W213 DROME	Q7KVK3_DROME	Q6RWT6_BOVIN	Q4T1M4_TETNG	Q640R3_MOUSE	Q7Q916_ANOGA	Q4RE92 TETNG	Q7QLK4_ANOGA	044928_CAEEL QBNCB6_HUMAN
tus o sa o sa ctol	brachy homo s xenopu homo s	mus mu mus mu	mus mu	tetrac	Q4rqr3 cecraodon n Q9twa6 aplysia cal	mus mu aplysi	mus	Q5j7d9 mus musculu	Xen	7	Q5w431 fugu rubrip Q5w436 fugu rubrip	t 2 2	2 0 0	P70193 mus musculu P70193 mos musculu Q6uxm1 homo sapien	mus	Q6wrh9 rattus norv	Q86yj9 homo sapien O8na84 homo sapien	Q80u60 mus musculu O8n772 homo sapien	brac	Q8n/13 nomo sapien Q67ip8 homo sapien	Q/pv30 anopneres g	drosophila	drosophila	bos tauru	tetr	2 5	9 6	Q4re92 tetraodon n	200	044928 caenorhabdi Q8ncb6 homo sapien
< m n n n c	lanio pien lae pien		4 -C	,,	. ,																									
243 245 246 247 247 248 1	0 239 1 nn 240 241 1 n 241 1			232 1	230 1	227 1	225 1	224	222	220 1	218 1 219 1	216 1 217 1						202	200	198	196	μ,	ر دسو دس	_ _		186 187	185	183	بر بر	,,,
	o 239 161 n 240 161. e 241 161. n 242 16	236 16 237 16 238 16	234 16 235 16	232 162. 233 162.	230 162.	227 162. 228 162.	225 162. 226 162.	224 162	222 16	220 163. 221 163.	218 163. 219 163.	216 163. 217 163.	116	164.	164.	164.	164.	16	16	116	16	165.	165.	165.	16	166	16.6	116	166. 166.	166.
243 161 10.4 244 161 10.4 245 161 10.4 246 160.5 10.4 247 160.5 10.4 248 160.5 10.4 249 160 10.4 250 160 10.4	239 161.5 10.5 nn 240 161.5 10.5 e 241 161.5 10.5 nn 242 161 10.4	236 162 10.5 237 162 10.5 238 162 10.5	234 162 10.5 235 162 10.5	232 162.5 10.5	230 162.5 10.5 231 162.5 10.5 231 162.5 10.5	227 162.5 10.5 228 162.5 10.5 220 162.5 10.5	225 162.5 10.5	224 163 10.6	222 163 10.6 223 163 10.6	220 163.5 10.6	218 163.5 10.6 219 163.5 10.6	216 163.5 10.6 217 163.5 10.6	164 10.6 164 10.6	164.5 10.7 164.5 10.7	164.5 10.7 164.5 10.7	164.5 10.7 164.5 10.7	164.5 10.7 164.5 10.7	165 10.7	165 10.7 165 10.7	165 10.7	165 10.7	165.5 10.7	165.5 10.7	165.5 10.7 165.5 10.7	166 10.8 166 10.8	166 10.8	166 10.8	166 10.8	166.5 10.8 166.5 10.8	166.5 10.8 166.5 10.8
243 161 10.4 650 244 161 10.4 735 245 161 10.4 739 246 160.5 10.4 190 247 160.5 10.4 368 248 160.5 10.4 4071 249 160 10.4 448 250 160 10.4 1051	239 161.5 10.5 429 nn 240 161.5 10.5 1048 e 241 161.5 10.5 2174 nn 242 161 10.4 493	236 162 10.5 862 237 162 10.5 1090 238 162 10.5 1244	234 162 10.5 699 235 162 10.5 795	232 162.5 10.5 1100	230 162.5 10.5 1109	227 162.5 10.5 779 228 162.5 10.5 931	226 162.5 10.5 622	224 163 10.6 520 227 163 10.6 520	222 163 10.6 249	220 163.5 10.6 2022 221 163.5 10.6 6620	218 163.5 10.6 1020 219 163.5 10.6 1083	216 163.5 10.6 305 217 163.5 10.6 422	164 10.6 595 164 10.6 605 164 10.6 7222	164.5 10.7 2016 164.5 10.7 2019	164.5 10.7 1095 164.5 10.7 1109	164.5 10.7 765 164.5 10.7 812	164.5 10.7 432 164.5 10.7 739	165 10.7 7441 165 10.7 8081	165 10.7 6632 165 10.7 7122	165 10.7 524 165 10.7 624	165 10.7 344	165.5 10.7 4162	165.5 10.7 1419	165.5 10.7 1164 165.5 10.7 1389	166 10.8 5175 166 10.8 5198	166 10.8 2772 166 10.8 2894	166 10.8 591	166 10.8 563	166.5 10.8 650 166.5 10.8 1038	166.5 10.8 394 166.5 10.8 622
243 161 10.4 244 161 10.4 245 161 10.4 246 160.5 10.4 247 160.5 10.4 248 160.5 10.4 249 160 10.4 250 160 10.4	o 239 161.5 10.5 429 2 nn 240 161.5 10.5 1048 2 e 241 161.5 10.5 2174 2 nn 242 161 10.4 493 2	236 162 10.5 862 2 237 162 10.5 1090 2 238 162 10.5 1244 2	234 162 10.5 699 2 235 162 10.5 795 2	232 162.5 10.5 1110 2	230 162.5 10.5 1109 2 231 162.5 10.5 1109 2	227 162.5 10.5 779 2 228 162.5 10.5 931 2	226 162.5 10.5 622 2	224 163 10.6 520 2	222 163 10.6 246 2 223 163 10.6 246 2	220 163.5 10.6 2022 2 221 163.5 10.6 6620 2	218 163.5 10.6 1020 2 219 163.5 10.6 1083 2	216 163.5 10.6 305 2 217 163.5 10.6 422 2	164 10.6 595 2 164 10.6 605 2 164 10.6 2222 2	164.5 10.7 2016 2 164.5 10.7 2019 2	164.5 10.7 1095 2 164.5 10.7 1109 2	164.5 10.7 765 2 164.5 10.7 812 2	164.5 10.7 432 2 164.5 10.7 739 1	165 10.7 7441 2 165 10.7 8081 2	165 10.7 6632 1 165 10.7 7122 2	165 10.7 524 2 165 10.7 624 2	165 10.7 344 2	165.5 10.7 4162 2	165.5 10.7 1419 2 165.5 10.7 2016 2	165.5 10.7 1164 2 165.5 10.7 1389 2	166 10.8 5175 2 166 10.8 5198 2	166 10.8 2772 2 166 10.8 2894 2	166 10.8 591 2	166 10.8 563 2	166.5 10.8 650 2 166.5 10.8 1038 2	166.5 10.8 394 1 166.5 10.8 622 2

,

316 317 318 320 322	306 307 309 310 311 312	295 295 296 2996 200 200 200 200 200 200 200 200 200 20	281 2282 2283 2286 2291 2291	263 263 263 265 265 266 266 266 271 271 271 271 271 271 271 271 271 271	255 255 255 255 255 255 255 255 255 255
156.5 156.5 156.5 156.5 156.5 156.5	157 157 157 157 157 157 156.5	157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5	in in in in in in	159.5 159 159 159 159 159 159 159 159 159 15	160 160 160 160 160 159.5 159.5 159.5 159.5
00000000	00000000	000000000000	000000000000		0000000000
				2470 2410 2216 300 300 344 433 1006 1006 1006 1006 1006 1006 1006 10	
				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
11H7 MOUSE RR3 HUMAN RR3 MOUSE RIGO TETNG 77M1 CHICK BO3 HUMAN Z5N4 HUMAN DA22 MOUSE UB49 HUMAN	7268 CAVPO 716 HUMAN N7TB HUMAN 7577 CYNPY 7576 CYNPY 1041 CAEEL AV58 CHICK OWN3 MOUSE BSPO MOUSE	3633 XENLA RKB2 RAT 6LA4 HUMAN 6P31 HUMAN N662 HUMAN AM2 HUMAN AM2 ROUSE RKB3 RAT TITING 8476 CHICK 8476 CHICK SQ01 TETNG	TNO2 HUMAN TO54 HUMAN RDTB PONPY BKG3 MOUSE AM1 CHICK G DROME SMF3 TETNG BDA5 BOVIN VAN5 BOVIN DJ83 XENTR 6P30 HUMAN VX2B HUMAN 6TVO XENLA	Q9V52-DROME Q4RDM1_TETING Q9B370 MOUSE Q9B370 MOUSE NTRI_MOUSE Q9U674 DROME Q9V67 DROME Q9V67 DROME Q9V67 DROME Q9V65 HOWAN Q9609 HOWAN Q9609 HOWAN Q9609 TETMG	24K5 CAEBR 1043 CAEEL 1043 CAEEL 0VD7 XENLA 69A0 DROME 6829 DROME 6823 HUMAN 0VD6 BRARE 0C03 XENLA 0RD1 TETNG MTB2 DROME MTB2 DROME
				037829 079x21 04xdm1 04xdm1 09d9j0 099pj0 08bg33 09v644 09qvq7 06ide9 09vej5 07kee 07kee 07ket 096rd9 08mdj9 08nf56 096rd9	
		633 xenopy la4 homo: la4 homo: p31 homo: p31 homo: p334 homo: mus		seld droso xzl anoph dml tetra pjo mus m pjo mus m pjo mus m gja m mus gja m mus gja droso sej droso sej droso sej droso mj bomby 260 cavia 260 homo yko homo yko homo yko homo yko homo	04k5 cae 047 xea 047 xea 9a0 dro 829 dro rc3 hor rd1 tel tb2 dro tb2 dro ch2 dro
s musculu mo sapien s musculu traodon n llus gall mo sapien mo sapien s musculu mo sapien	via porce no sapien no sapien no sapien nops pyrr nops pyrr nops parl llus gall llus gall s musculu	xenopus lae rattus norv homo sapien homo sapien homo sapien homo sapien mus musculu rattus norv xenopus lae tetraodon n gallus gall tetraodon n	homo sapien homo sapien pongo pygma mus musculu gallus gall drosophila tetraodon n bos taurus bos taurus xenopus tro homo sapien homo sapien homo sapien	anophelas g tetracdon n mus musculu mus musculu mus musculi mus musculi mus musculi drosophila drosophila drosophila drosophila drosophila drosophila drosophila drosophila bombyx mori bombyx mori cavia porce homo sapien homo sapien homo sapien	5 caenorhabdi 3 caenorhabdi 7 xenopus lae 0 drosophila 9 drosophila 3 homo sapien 6 brachydanio 7 xenopus lae 1 tetraodon n 7 drosophila 0 drosophila
len len len len len	len len /rr /rr	lae bry len len len len len len len lae bry bry lae	ien jma jma ill la la n n n n n n n n n n n n n n n n	n g g ulu ulu ulu ulu ulu ulu ulu ulu ulu	ha n
ı	379 15 380 15 382 15 383 15 384 15 385 15 386 15			336 337 337 337 337 340 340 341 344 344 347 348 348 351 351 351	
		3. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.			: M W W W W W W W W W W W W W W W W W W
		10.0 10.0 10.0 10.0 10.0 10.0 10.0 9.9	100000000000000000000000000000000000000		
				803 808 809 811 837 859 1499 265 344 601 601 641 641 641 616 856 856 859 859 859 859 859 859 859 859 859 859	
				2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
I RAT I V4 ANOGA FFO TETNG FFO TETNG FFO TETNG GG4 TETNG 921 XENLA N6 RAT N6 RAT AM MOUSE R1 HUMAN	485 MOUSE 5F2 RABIT M1 BOVIN 483 MOUSE A07 XENLA ZI3 RAT ZI3 RAT G72 ANOGA EC1 ANOGA	QSW433_BRARE QS1510 MACFA VCAM1 RAT QSFVS3 RAT QSFVS3 RAT NCA12 HUMAN QS9F17 HUMAN NCA11 HUMAN PTK7 HUMAN PXT41 CERAE QSXT41 CERAE QSXT41 CERAE QSXT41 CERAE QSYMN9_DROME	5P3 MOUSE 2011 TENDUTING 1P2 MOUSE 2D5 CANFA 2P6 MOUSE 2D7 CANFA 2M4 BRARE PH8 ANGA PH8 ANGA 214 BRARE 248 BRARE 248 BRARE 434 BRARE	CHOUSE RAT CHOISE COPYH43 XENLA CYZFF2 HUMAN NCAM1 RAT CHICK COMCZO SPOFR COMCZO SP	13 PANTR DAZ HUMAN F26-HUMAN F26-HUMAN F26-HOUSE N6 MOUSE N2 RAT GJ3 MOUSE GJ4-CAEBE GJ4-CAEBE GJ6-MOUSE GJ6-MOUSE GJ6-MOUSE GJ7-MOUSE GJ7-MOUSE
7948	374b5 m 365f2 c 374b3 m 5pa37 x 7pg72 a 7pg72 a	564433 k 561610 m 56534 r 565483 k 565483 k 59517 k 59517 k 13308 k 13308 k 13158 r 72xx1 x		003142 m 003143 x 0097h43 x 0097h43 x 0097h65 r 1755 f 175	
THKX TO TO P		H G G G G G G G G G G G G G G G G G G G	tett mus can mus mus mus mus can bra bra bra	mus	* = * = = = = = = = = = = = = = = = = =
rattus anophel tetraod tetraod tetraod tetraod xenopus rattus mus mus	mus mus oryctol bos tav mus mus mus xenopus rattus anophel anophel brachyd	brachyd macaca rattus rattus rattus homo sa homo sa homo sa homo sa rattus rattus drosoph	tetraoc tetraoc mus mus canis t mus mus canis f mus mus canis f brachyc anophel homo se brachyc homo se	TACTUS MES XENDOUS XENDOUS MES XENDOUS XEN	pan tro homo se homo se caenori mus mus rattus mus mus mus mus manduce caenori mus mus
rattus norv anopheles g tetraodon n tetraodon n tetraodon n tetraodon n tetraodon n tenopus lae rattus norv mus musculu h vascular	mus musculu oryctolagus bos taurus mus musculu xenopus lae rattus norv anopheles g anopheles g brachydanio	brachydanio macaca fasc rattus norv rattus norv homo sapien homo sapien homo sapien homo sapien cercopithec rattus norv xenopus lae drosophila	mus musculu tetraodon n mus musculu canis famil mus musculu mus musculu canis famil brachydanio anopheles g homo sapien brachydanio homo sapien	mus musculu xenopus lae homo sapien rattus norv gallus gall spodoptera pongo pygma homo sapien ciona intes homo sapien homo sapien anopheles ghomo sapien homo sap	pan troglod homo sapien nomo sapien naenorhabdi nus musculu rattus norv nus musculu nanduca sex naenorhabdi nus musculu

	44554 4554 4556 4566	4447 4449 450 451	244444	44444444444444444444444444444444444444	421 421 422 423 423 423 423 423 423 423	3399 3998 3998 3998 3998 3998 3998 4001 4002 4004 4005 4006 4006 4007 4007 4007 4007 4007 4007
149.5 149.5 149.5 149.5	150.5 150 150 150 150 150	150.5 150.5 150.5	150.5 150.5 150.5 150.5		1501.5 1501.5 1501.5 1501.5 1501.5 1501.5	152.5 152.5
.						
) B 13 4 9 4 4 4 1 7 4 13	WO N N @ 61 U	, 0 6 7 7 7 8 6 7	4 W W W W 4 C C		10.000.00000000000000000000000000000000	1443 1 1
QBLSF4_CABEL QBLSF4_CABEL QBLSF6_CABEL QBLSF6_CABEL QBLSF7_CABEL QBLSF7_CABEL QBSF7_MOUSE Q658Q7_HUMAN OBCAM_CHICK QBDCAM_CHICK QBDCAM_CHICK QBDCAM_CHICK QBDCAM_CHICK QBDCAM_CHICK	070767 ANOGA 090271 BRARE FCRL2 HUMAN CEAM5 HUMAN QBN4D0 HUMAN CNTN2 MOUSE OBISF3 CAEEL	Q24327 DROME Q24327 DROME Q9QW00 DWURI Q4JFLB RAT Q924D2 MOUSE Q91AJ0 XENLA Q64605 RAT	CEAM7 HUMAN CEAM8 HUMAN QBEZP4 MOUSE QBBXJ7 MOUSE QBBXJ9 MOUSE QBBLQ9 MOUSE CEAM1 MOUSE	PGBM MOUSE O6KATE MOUSE O967D9 DROME O91017 DROME O90701 DROME O90708 DROME O90204 XENLA O6NR34 DROME O9072 DROME O90727 DROME	Q61351 MOUSE Q4SYI7 TETMG NCA12 MOUSE Q96P29 HUMAN Q90YM1 BRARE QSR1Q0 FELCA QSG7G8 FELCA CNTNG HUMAN Q6INB5 XENLA Q9V643 DROME NCA11 MOUSE	Q51AK1 HUMAN Q642G9 BHARE Q9W4R3 DROME Q9YH44 XENLA Q5EA96 BOVIN Q512D6 CANFA Q5EA96 TETING Q4RSG7 TETING Q4RSG7 TETING Q6GP61 XENLA Q9BN17 DROME Q9VQM7 DROME Q9VQM7 DROME LSAMP HUMAN Q86SE4 HUMAN Q86SE4 HUMAN Q86SE72 PANTR Q4SPP9 TETING Q25177 HYDAT CHICK Q9BW71 HUMAN Q6UXJ5 HUMAN Q6UXJ5 HUMAN Q7Z3Z9 HUMAN
		drosophile rattus sp. rattus nor mus muscul xenopus la rattus nor	Q96/07 CECOSOPILEA Q1402 homo sapien P31997 homo sapien Q8bzp4 mus musculu Q8bxj7 m mus musculu Q8b1q9 mus musculu P31809 mus musculu P31809 mus musculu	Q05793 mus musculu Q6kat6 mus musculu Q967d9 drosophila Q8iq17 drosophila Q9iq21 drosophila Q9vqy1 drosophila Q907d8 drosophila Q90704 xenopus lae Q90704 drosophila Q90707 drosophila	Q61351 mus musculu Q48yi7 tetraodon n p13594 mus musculu Q96p29 homo sapien Q90yml brachydanio Q5r1q0 felis silve Q5r1q0 felis silve Q5g7g8 felis silve Q9uq52 homo sapien Q6inb5 xenopus lae Q9v643 drosophila p13595 mus musculu	Ostari nome sapiem Ostary nome sapiem Ostary drosophila Osyh44 xenopus lae Ospaso be taurus Ostaso canis famil O4rs97 xenopus lae Ospaso tetraodon n Ospaso retrosophila Oyvqw7 drosophila Oyvqw7 drosophila Oyvqw7 drosophila Olostary homo sapien O86st2 pan troglod O4spp9 tetraodon n O25177 hydra atten P28685 gallus gall O9bwv1 homo sapien O6uxi5 homo sapien O6uxi5 homo sapien O7x3z9 homo sapien O7yqla pan troglod P32004 homo sapien O7yqla pan troglod P32004 homo sapien
440 000 000 000 000 000 000 000	26 146. 27 146. 28 146. 29 146. 29 146. 30 146. 31 146.	220 220 220 220 240 240 240 240 240 240	12 13 14 14 15 15 14 16 14 17 14 11 14	003 14 004 14 005 147. 007 147. 008 147. 109 147. 110 14	148. 1488. 1488. 148. 114. 114.	770 773 773 774 775 776 149. 776 149. 149. 149. 149. 149. 149. 149. 149.
334 1146 9. 35 1146 9. 36 1146 9. 37 1146 9. 38 1146 9. 38 1146 9. 38 1146 9.	26 146.5 9. 27 146.5 9. 29 146.5 9. 30 146.5 9. 31 146.5 9.	20 147 9. 21 147 9. 22 147 9. 23 146.5 9.	112 147 9. 114 147 9. 115 147 9. 116 147 9. 117 147 9. 118 147 9.	003 148 9. 04 148 9. 05 147.5 9. 06 147.5 9. 08 147.5 9. 147 9. 11 147 9.	92 148.5 93 148.5 94 148.5 95 148.5 96 148.5 97 148.5 98 148.9 99 148.9 90 148.9 91 148.9 91 148.9 91 148.9	770 771 773 773 774 775 776 776 776 776 776 7776 7776 7
33 116 9.5 80 34 1146 9.5 80 35 1146 9.5 125 36 1146 9.5 125 37 1146 9.5 1147 38 1146 9.5 1147 39 1146 9.5 1147 30 1145.5 9.4 33 40 1145.5 9.4 37	26 146.5 9.5 45 27 146.5 9.5 128 28 146.5 9.5 165 29 146.5 9.5 165 31 146.5 9.5 1790 31 146.5 9.5 770	20 147 9.5 151 21 147 9.5 189 22 147 9.5 193 22 147 9.5 215 24 146.5 9.5 31	13 147 9.5 41 14 147 9.5 47 15 147 9.5 50 16 147 9.5 67 17 147 9.5 121 18 147 9.5 121 19 147 9.5 136	03 148 9.6 140 04 148 9.6 161 05 147.5 9.6 94 06 147.5 9.6 106 07 147.5 9.6 106 08 147.5 9.5 33 10 147 9.5 34 11 147 9.5 35	92 148.5 9.6 95 93 148.5 9.6 97 94 148.5 9.6 137 95 148.5 9.6 222 96 148.5 9.6 223 97 148 9.6 23 98 148 9.6 30 00 148 9.6 30 01 148 9.6 102	71 149.5 9.7 149 72 149.5 9.7 150 73 149.5 9.7 150 74 149.5 9.7 190 75 149 9.7 190 76 149 9.7 45 77 149 9.7 45 78 149 9.7 45 80 149 9.7 73 81 149 9.7 73 82 149 9.7 73 83 149 9.7 73 84 149 9.7 103 85 149 9.7 139 86 149 9.7 139 87 148.5 9.6 88 88 148.5 9.6 88 89 148.5 9.6 88 88 148.5 9.6 88
33 146 9.5 802 1 34 146 9.5 802 2 35 146 9.5 948 2 36 146 9.5 1259 1 37 146 9.5 1479 2 38 146 9.5 1482 2 39 146 9.5 1918 2 30 145.5 9.4 333 2 40 145.5 9.4 375 2	26 146.5 9.5 454 2 27 146.5 9.5 1287 2 28 146.5 9.5 1651 1 29 146.5 9.5 1651 1 30 146.5 9.5 17903 2 31 146.5 9.5 702 2	20 147 9.5 1515 2 21 147 9.5 1898 2 22 147 9.5 1933 2 23 147 9.5 2159 2 24 146.5 9.5 317 2 25 146.5 9.5 341 2	13 147 9.5 413 2 14 147 9.5 413 2 14 147 9.5 473 2 15 147 9.5 509 1 16 147 9.5 677 2 17 147 9.5 1210 2 18 147 9.5 1224 2 19 147 9.5 1367 2	03 148 9.6 1406 2 04 148 9.6 1463 2 05 147.5 9.6 946 2 06 147.5 9.6 1065 1 08 147.5 9.6 1092 1 08 147 9.5 333 1 10 147 9.5 341 2 11 147 9.5 353 2	92 148.5 9.6 95.5 1 93 148.5 9.6 1378 1 94 148.5 9.6 1534 2 95 148.5 9.6 2224 2 96 148.5 9.6 231 2 97 148 9.6 231 2 98 148 9.6 287 2 99 148 9.6 606 2 00 148 9.6 1021 2 01 148 9.6 1021 2	71 149.5 72 149.5 73 149.5 73 149.5 73 149.5 74 149.5 75 149 76 149 76 149 77 139 78 149 79 1739 70 149 71 1031 71 129 72 123 73 123 74 149 75 2 76 2 77 149 77 149 77 139 77 1031 77 123 78 149 79 1 123 70 1 149 71 123 71 123 72 123 73 2 74 149 75 2 76 2 77 193 77 19
33 146 9.5 802 34 146 9.5 802 35 146 9.5 1259 36 146 9.5 1259 37 146 9.5 1479 38 1476 9.5 1482 39 146 9.5 1918 31 145.5 9.4 333 40 145.5 9.4 375 42 145.5 9.4 443	26 146.5 9.5 454 2 27 146.5 9.5 1287 2 28 146.5 9.5 1651 1 29 146.5 9.5 1651 1 30 146.5 9.5 17903 2 31 146.5 9.5 702 2	20 147 9.5 1515 2 21 147 9.5 1898 2 22 147 9.5 1933 2 23 147 9.5 2159 2 24 146.5 9.5 317 2 25 146.5 9.5 341 2	13 147 9.5 413 2 14 147 9.5 413 2 14 147 9.5 473 2 15 147 9.5 509 1 16 147 9.5 677 2 17 147 9.5 1210 2 18 147 9.5 1224 2 19 147 9.5 1367 2	03 148 9.6 1406 2 04 148 9.6 1463 2 05 147.5 9.6 946 2 06 147.5 9.6 1065 1 08 147.5 9.6 1092 1 08 147 9.5 333 1 10 147 9.5 341 2 11 147 9.5 353 2	92 148.5 9.6 95.9 93 148.5 9.6 97.9 94 148.5 9.6 1378 95 148.5 9.6 2224 96 148.5 9.6 231 97 148 9.6 231 98 148 9.6 302 00 148 9.6 1021 148 9.6 1021	71 149.5 72 149.5 73 149.5 73 149.5 73 149.5 74 149.5 75 149 76 149 76 149 77 139 78 149 79 1739 70 149 71 1031 71 129 72 123 73 123 74 149 75 2 76 2 77 149 77 149 77 139 77 1031 77 123 78 149 79 1 123 70 1 149 71 123 71 123 72 123 73 2 74 149 75 2 76 2 77 193 77 19

55444455555555555555555555555555555555
。
1054 1054 1054 1070 1470 1470 1470 1054 1070 1070 1070 1070 1070 1070 1070 107
0110000 100000 25 10000 2000 2000 2000 2
Q25403 LYMST LRIG2 MOUSE Q452F2 TEING Q452F2 CHICK Q456F2 CHICK Q565F3 CHICK Q956F1 CHICK Q956F1 CHICK Q956F1 CHICK Q956F1 CHICK Q957F1 HUMAN Q577F1 HUMAN Q577F7 HUMAN Q577F1 HUMAN Q577F1 HUMAN Q577F1 HUMAN Q577F1 HUMAN Q57F5 DROME Q57FF HUMAN Q57FF5 HUMAN Q57FFF HUMAN Q5FFFF HUMA
Q25403
lymnaea sta mus musculu tetracdon n mus musculu tetracdon n mus musculu gallus gall senopus lae nomo sapien nomo s
66666666666666666666666666666666666666
616 617 618 619 619 619 619 619 619 619 619 619 619
1116 1118
11116 1116
116 143 9.3 1513 2119 143 9.3 1513 222 143 9.3 1514 222 222 143 9.3 26926 223 142.5 9.2 26926 224 144.5 9.2 26926 224 144.5 9.
116 117 118 119 1143 1143 1143 1143 1143 1143 1143 1143 1143 1143 1143 1143 1143 1143 1143 1143 1143 1143 1144 1142 1143 1144
116 143 9.3 1513 2119 143 9.3 1513 222 143 9.3 1514 222 222 143 9.3 26926 223 142.5 9.2 26926 224 144.5 9.2 26926 224 144.5 9.

7554 7556 756 757 757 758 759 760	40000	4444	444	فيا ليا ليا جي	777	777	1777	777	77		177	111	177	1 7 7	77	٠, ١	J -J -	J -J 0	000	י ט ע	9 9	νονο	
				0 6 6 7						2200	187	7 T T T	121	6 6 6	076	4 1	200	200	900	96	4 10	9 2 2	90
1138.5	25555	139	139	139 139 139	13.9	999	139.5	999		140	140	140	140	140	140.5	366	500	200	200	20.	40.	40.	141
00000000																							
297 297 4145 627 8615	1723 1843 1896 4648	1020 1270	723 867 869	316 416 648	17352 292 296	1391 3317 7105	1193 1320 1320	939 961	324	1272	068	736	6000	218 299	1348	1026	807	762	476	429	4 2 4 4 6 4 6 4 6 4 6 6 6 6 6 6 6 6 6 6	390	1319 1461
00000000																							
Q9BB9-PIG Q9BB9-PIG PSG5_HUMAN Q6GM08_XENLA Q96GL5_HUMAN Q4R5PO_MACFA Q6DCH3_XENLA Q6DCH3_XENLA Q6DCH3_XENLA Q6DCH3_CANARE Q4SAP3_TETNG	BCHB2 MOUSE PASFF7 TETING PIAJ1 XENLA PAT3W5 TETING PATTY DE TIC	90413 BRARE NTN1 MOUSE 903P2 CAEEL	B6Y14_HUMAN 5VZW7_HUMAN IUSK_HUMAN	5YCY7_BRARE 5ZJK6_CHICK 77Q1Z7_ANOGA 8R2Y2_MOUSE	95YM2_PROCL 6UY47_HUMAN 8WMZ2_PIG	98N3L4_HUMAN 7QJK9_ANOGA 7PXW9_ANOGA	9VQW1 DROME 96KF5 HUMAN 5VV35 HUMAN	SG8_HUMAN 9VH85_DROME OBO4_RAT	8NBY8 HUMAN	SGIT3 BRARE 94RJ21 TETNG	YRO3 HUMAN 86VR3 HUMAN	BMYS2_DROME	SESNI_BOVIN	7PJ18 ANOGA 7Q0P9 ANOGA	GFR2 COTJA S9H90_HUMAN	NTN4 HUMAN	6NY23 BRARE	71TWB_HUMAN	94V8JO_RAT	96LA6_HUMAN	960J6 HIMAN	COEGY_ANOGA	4T8B2_TETNG IEO1_HUMAN
Q9be99 Q9be99 Q65338 Q96915 Q4r5p0 Q4r5p0 Q606b9 Q4sap3	Q8chc Q8chc Q8chc Q4sff Q9iaj	Q9041 Q9041 Q903p Q903p	Q86y1 Q5vzw Q1514	Q5ycy Q5zjk Q7q1z Q8r2y	Q95ym Q6uy4 Q8wmz	Q8n31. Q7qjk Q7pxw	Q9vqw Q96kf Q5vv3	Q9uq7 Q9vh8 Q80w8	Q8nby Q8nc1	Q59it Q4rj2	Q0641 Q0641	Одерт Одерт Одерт	Q5e9n Q9mzo	Q7pj1 Q7q0p Q7q0p	P5258 Q59h9	01460 01460	Q6ny2	Q71tw	Q4 v 8 j	Q961a	Q8hxr Q8hxr	Q66kx Q66kx	Q4t8b Q9285
sus s homo xenop homo macac xenop brach tetra	ឲ្យស្ថិញ	ភព្នយ	4 homo 7 homo 6 homo	3 6 6 6	2 proca 7 homo 2 sus s	4 homo 9 anoph 9 anoph	£ 6 6	dr	. מַלַ	ter	200	r d d i	1 bos t	8 anoph 9 anoph	3 cotur 0 homo	2 homo	3 brach	8 homo	0 rattu	6 homo	7 macac	/ anopn 2 xenop	2 tetraod 9 homo sa
sapien sapien us lae sapien a fasc us lae lydanio	musculu raodon n ropus lae	rachydanio us musculu aenorhabdi	sapien sapien sapien	ydanio s gall eles g	mbarus sapien crofa	eles g	phila sapien sapien	sapien phila s norv	sapien sapien	achydanio traodon n	sapien sapien	phila phila	aurus	eles g	mix co	sapien	ydanio	sapien	e norv	sapien	a fasc	e lene e	odon n sapien
827 828 829 839 831 831 833	88888 2222 2222 3422 472	818 819 820 821	814 815 816	810 811 812 813	807 808 809	804 805 806	801 803	798 799 800	796 797	793	790 791	787 787 788	784 785	781 782 783	779 780	777	775	773	771	769	767 768	765 765	762 763
827 136.5 828 136.5 829 136.5 830 136.5 831 136.5 831 136.5 833 136.5 834 136.5	136	136	. در در در د				133	1313	131	1111								132	132	111	132	136	132
136 136 136 136	136.5 136.5 136.5 8.	137 8. 137 8. 136.5 8.	137 8. 137 8.	137 8. 137 8. 137 8. 137 8.	137 8. 137 8. 137 8.	137 8. 137 8. 137 8.	137.5 8. 137.5 8. 137 8.	137.5 8. 137.5 8.	137.5 8.	137.5 8.	11388.	13886	138 8.	138 138 8.	138 8.	138 8.	138 8.	138.5	138.5	138.5	138.5 9.	138.5 9.	138.5 9.
136.5 136.5 136.5 136.5 136.5 8.8 8.8 8.8	136.55 8.8 136.55 8.8 136.55 8.8	137 8.9 137 8.9 136.5 8.8	137 8.9 137 8.9 137 8.9	137 8.9 137 8.9 137 8.9 137 8.9	137 8.9 137 8.9 137 8.9	137 8.9 137 8.9 137 8.9	137.5 8.9 137.5 8.9 137 8.9	137.5 8.9 137.5 8.9	137.5 8.9	137.5 8.9	138 8.9	138 8.9	138 8.9	138 8.9 138 8.9	138 8.9	138 8.9	138 8.9	138.5 9.0	138.5 9.0	138.5 9.0	138.5 9.0	138.5 9.0	138.5 9.0
136.5 8.8 557 2 136.5 8.8 570 2 136.5 8.8 686 713 2 136.5 8.8 771 2 136.5 8.8 771 2 136.5 8.8 956 1 136.5 8.8 956 1	136.5 8.8 345 1 136.5 8.8 377 2 136.5 8.8 393 2 136.5 8.8 532 2	137 8.9 4071 2 137 8.9 4098 2 136.5 8.8 330 2	137 8.9 1304 1 137 8.9 1333 1 137 8.9 1535 1 137 8.9 1644 2	137 8.9 648 2 137 8.9 1026 1 137 8.9 1180 2 137 8.9 1189 2	137 8.9 489 2 137 8.9 626 1 137 8.9 626 1	137 8.9 481 2 137 8.9 481 2 137 8.9 484 2	137.5 8.9 2212 2 137.5 8.9 2389 2 137 8.9 389 2	137.5 8.9 1029 2 137.5 8.9 1049 2 137.5 8.9 1237 2	137.5 8.9 515 1 137.5 8.9 979 2	137.5 8.9 358 2 137.5 8.9 394 2	138 8.9 1021 1 138 8.9 1028 1	138 8.9 880 1 138 8.9 880 2	138 8.9 723 2 138 8.9 727 2	138 8.9 507 2 138 8.9 510 2	138 8.9 438 2 138 8.9 478 2	138 8.9 360 2	138 8.9 204 2	138.5 9.0 2000 2	138.5 9.0 1879 2	138.5 9.0 1342 2	138.5 9.0 998 2 138.5 9.0 1133 2	138.5 9.0 940 2	138.5 9.0 875 2 138.5 9.0 878 2
136.5 8.8 557 136.5 8.8 580 136.5 8.8 686 136.5 8.8 713 136.5 8.8 771 136.5 8.8 851 136.5 8.8 956 136.5 8.8 1056	136.5 8.8 345 1 136.5 8.8 377 2 136.5 8.8 393 2 136.5 8.8 532 2	137 8.9 4071 2 137 8.9 4098 2 136.5 8.8 330 2	137 8.9 1304 1 137 8.9 1333 1 137 8.9 1535 1 137 8.9 1644 2	137 8.9 648 2 137 8.9 1026 1 137 8.9 1180 2 137 8.9 1189 2	137 8.9 489 2 137 8.9 626 1 137 8.9 626 1	137 8.9 481 2 137 8.9 481 2 137 8.9 484 2	137.5 8.9 2212 2 137.5 8.9 2389 2 137 8.9 389 2	137.5 8.9 1029 2 137.5 8.9 1049 2 137.5 8.9 1237 2	137.5 8.9 515 1 137.5 8.9 979 2	137.5 8.9 358	138 8.9 1021 1 138 8.9 1028 1	138 8.9 880 1 138 8.9 880 2	138 8.9 723 2 138 8.9 727 2	138 8.9 507 2 138 8.9 510 2	138 8.9 438 2 138 8.9 478 2	138 8.9 360 2	138 8.9 204 2	138.5 9.0 2000 2	138.5 9.0 1879 2	138.5 9.0 1342 2	138.5 9.0 998 2 138.5 9.0 1133 2	138.5 9.0 940 2	138.5 9.0 875 2 138.5 9.0 878 2

.

State Stat
Color
1110 20 20 20 20 20 20 2
Control Symbol
October Control Cont
Self-models
133.5 8.6 333 CD226_MOUSE CD844ft CD9133.5 8.6 410 2 GRAMO_BOUSE CD844ft C
3.5. 8.6 333 1 CD226_MOUSE 3.5. 8.6 410 2 QORNAN_BMOUSE 3.5. 8.6 410 2 QORNAN_BMOUSE 3.5. 8.6 410 2 QORNAN_BMONNO 3.5. 8.6 419 1 PSG1_HUMAN 3.5. 8.6 626 2 QORNAN_BMONNO 3.5. 8.6 6272 2 QORNAN_BMONNO 3.5 8.6 6272 2 QORNAN_BMONN
6 333 1 CD226 MOUSE 6 410 2 CORING BOWNO 6 410 2 CORING BOWNO 6 410 1 PSG1 HUMAN 6 410 2 CORING BOWNO 77287 6 426 2 CORING BOWNO 77287 6 426 2 CORING HUMAN 6 612 2 CORING HUMAN 6 622 2 CORING HUMAN 6 623 2 CORING HUMAN 6 624 2 CORING HUMAN 6 625 2 CORING HUMAN 6 626 2 CORING HUMAN 6 627 2 CORING HUMAN 6 628 2 CORING HUMAN 6 629 2 CORING HUMAN
1 CD226 MOUSE 2 OSDM65 MOUSE 2 OSDM65 MOUSE 2 OSDM6 BOMMO 2 OTYZA7 BOMMO 2 OSDA7 HUMAN 2 OSTA8 POMISE 2 OSDA8 POM
CD226 MOUSE Q5DW65 MOUSE Q6AMMO Q6CMMO Q6CMMO Q6CMMO Q6CMMO Q7Y2A7 BOMMO Q7Y2A7 BOMMO Q7Y2A7 PSG1 HUMAN Q6CCM Q6CMMO
Q8k4f0 Q5dw69 Q7cran Q7cran Q7cran Q7cran Q7cran Q4shd7
o mus musculu bombyx mori bombyx mori homo sapien rattus norv halocynthia rattus norv halocynthia rattus norv homo sapien mus musculu anopheles homo sapien netracodon n homo sapien mus musculu anopheles homo sapien rattus norv mus musculu homo sapien mus musculu rattus norv rattus musculu norv sattus norv rattus musculu rattus musculu no sapien homo sapien mus musculu rattus norv sattus norv rattus morv rattus musculu rattus morv sattus norv sattus morv

	1033 1035 1036 1037 1038 1039 1040	1022 1023 1023 1024 1025 1027 1027 1028 1032 1032	1007 1008 1009 1010 1011 1011 1013 1014 1015 1016 1016 1018	985 985 988 988 988 988 988 988 988 988
11129.5 1129.5 1129.5 1129.5 1129.5 1129.5	130 130 130 130 130 130	130.5 130.5 130.5 130 130 130 130 130 130	130.55 130.55 130.55 130.55 130.55	131.5 131.5
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			· · · · · · · · · · · · · · ·	
				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Q41H4 BTARE Q6PH4 BTARE Q6PH4 BTARE CD80 MOUSE Q549R2 MOUSE Q5498 BTOMME Q723W6 HUMAN Q5R7T4 PONPY Q7Z3B9 HUMAN Q9NZH5 HORSE Q4SFV2 TETNG Q9USH5 MOUSE Q4SFV2 TETNG Q9USH5 MOUSE Q4VWT2 PPIPI	QBWIAN DROME Q9V787 DROME Q8V68D5 DROME Q9EQS9 MOUSE Q9EQS8 MOUSE Q9EQS8 MOUSE Q801M2 BRARE Q801Z27 BRARE Q84Y67 BRARE LAR CAEEL	Q4473_HALKO Q24473_TETNG Q2427_TETNG Q1526_HUMAN Q98121_RAT Q8BTP3_MOUSE Q9028B_MOUSE Q6061B_MOUSE FGRL1_MOUSE FGRL1_MOUSE FGRL1_HUMAN Q8WX93_HUMAN Q8WX93_HUMAN	Q7ESS8 ANGA Q20339 CAEEL Q20954 GEOCY O18431 GEOCY IL1R2 CERAB PSG10 HUMAN PSG6 HUMAN PSG6 HUMAN PSG6 HUMAN PSG6 MOUSE Q6YNR7 BRARE Q6YNR7 BRARE Q5W0F9 HUMAN Q5W0F9 HUMAN Q5W0F8 HUMAN Q5W0F8 HUMAN Q5W0F8 HUMAN	FGFR1 MOUSE Q60818 MOUSE Q4RCC7 TETNG Q4RCC7 TETNG Q4RCC7 TETNG Q4RCC7 CAEBR IAR DRÖME Q412N4 FUMAN Q5WA10 HUMAN Q5WA11 HUMAN Q5WA12 HUMAN Q5WA12 PONPY Q5JHQ1 RAT Q5UHQ1 RAT Q5
Q4thv6 tetracoon n O6ph44 brachydanio O600609 mus musculu Q549r2 mus musculu Q54198 drosophila Q723w6 homo sapien Q5r7t4 pongo pygma Q723b9 homo sapien Q9n2h5 equus cabal Q4sfv2 tetraodon n Q9j1b7 mus musculu Q4vwt2 xenopus sp.	Q8mra3 drosophila Q9v787 drosophila Q86bd5 drosophila Q9eqs9 mus musculu Q9eqs9 mus musculu Q9eqs8 mus musculu Q9eqs8 ms musculu Q801m2 brachydanio Q8j127 brachydanio Q8ay67 brachydanio Q9bmn8 caenorhabdi	Q998n3 nalocyntha Q24273 drosophila Q48b27 tetraodon n Q15226 homo sapien Q9121 rattus norv Q8btp3 mus musculu Q90288 brachydanio Q6p618 mus musculu Q91v87 mus musculu Q91v87 mus musculu Q91v87 mos musculu Q91v81 brachydanio Q9y619 homo sapien Q8wx93 homo sapien		P16092 mus musculu Q60818 mus musculu Q4rgc7 tetraodon n Q03696 gallus gall Q610c7 caenorhabdi P16621 drosophila Q412r4 tetraodon n Q8n440 homo sapien Q5wrg0 ovis aries Q61349 mus musculu Q7z3b1 homo sapien Q5vt21 pongo pygma Q9jhq1 rattus norv Q5u34 rattus norv Q5u34 rattus norv Q63611 rattus norv Q4vah7 mus musculu Q9xzb7 drosophila Q9wzb7 drosophila Q9wzb7 drosophila Q4szc5 tetraodon n Q22040 caenorhabdi Q71sy9 gallus gall Q4sw91 tetraodon n Q90x22 brachydanio
1115 1117 1119 1119 1120 1121 1122 1123 1124 1126	1106 1108 1109 1110 1111 1112 1113	1095 1096 1097 1098 1099 1100 1100 1100 1100 1100 1100	1080 1082 1083 1083 1084 1086 1088 1099 1099	1054 1055 1057 1058 1061 1062 1063 1063 1064 1066 1067 1070 1071 1072 1073 1074
127. 127. 127. 127. 127. 127. 127.		NN	128 128 128 128 128	122 122 122 122 123 124 125 125 125 125 125 125 125 125 125 125
	, , , , , , , , , , , , , , , , , , , ,	@ @ 0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.		229.55 22
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	• & & & & & & & & & & & & & & & & & & &			
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			22266666666666666666666666666666666666	
8 8 8 3 1994 2 8 8 8 3 2176 2 5 8 8 3 276 2 5 8 8 3 276 2 5 8 8 3 323 2 5 8 8 3 323 2 5 8 8 3 348 1 5 8 8 3 422 2 8 8 3 487 1 5 8 3 1040 2	8.3 422 2 8.3 423 2 8.3 506 1 8.3 542 2 8.3 707 2 8.3 739 2 8.3 1053 1	8.3 398 2 8.3 413 2 8.3 549 2 8.3 574 2 8.3 1343 2 8.3 2935 2 8.3 2935 2 8.3 2936 2 8.3 331 2	229 8.4 1357 229 8.4 1427 229 8.4 3164 229 8.4 3100 229 8.4 3500 229 8.4 4550 229 8.4 18412 25 8.3 223 .5 8.3 233 .5 8.3 322 .5 8.3 322 .5 8.3 322 .5 8.3 322	9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5

1190 1191 1192 1193 1194 1195 1196 1196 1197			1174 1175 1176 1177 1178	1170 1171 1172 1173	1166 1167 1168 1169	1162 1163 1164 1165	1158 1158 1160 1161	1153 1154 1155 1156	1149 1150 1151 1152	1145 1146 1147 1148	1141 1142 1143 1143	~ ~ ~ ~ ~		1129 1130 1131 1132	งผ
125.5 125.5 125.5 125.5 125.5 125.5 125.5 125.5 125.5						125.6	126.5 126.5 126.5 126.5	, , , , , ,	6.222	CALA CACA	A) A) A) A)		ALALA A	127.5 127.5 127.5 127	27.
		· • • • • •													•
439 460 606 683 687 737 743 743 789	337 400 419	1327 1356 1451 4796 4796	881 941 1099 1252	529 573 708	332 386 475	1445 1447 270 275	986 1232 1238 1230	311 446 513 820	1009 1193 4816 272	709 800 810 873	586 686 686	459 515 515	353 413 416	1269 1304 183 271	1106
77200000000000000000000000000000000000															
CS7349 CHICK QBMJZ4 PANTR QBESS7 MOUSE QSTTJ6 ANOGA QSJTJ08 RAT Q9JJ08 RAT Q9G5M3 CABEL Q6R6B2 9CAUD Q6R6B2 9CAUD Q4H3K6 CIOIN KIRR1 MOUSE FGPR2 HUMAN	UV29_BRARE 0Z87_BRARE 1R2_HUMAN HY16_CEBAP G7_HUMAN	QHL3 CHICK FR2 HUMAN 9EBO HUMAN NL88 DROME W055 DROME SL88 TETNG	65M2_CABEL SMD8_TETNG TN5_RAT JLII_MOUSE RHM3_TETNG	RL1 RAT V898 RAT MZW2 HUMAN RR2 HUMAN	VAV8_DROME S1B2_TETNG SI_MOUSE 2664_RAT	3155 RAT C_HUMAN FZV9_XENLA 5107 MOUSE	UVR9_FUGRU 0284_CARAU 8QC3_XENLA 24J4_CAEBR	DN73_HUMAN 3237_RAT D6N4_MOUSE 3H63_HUMAN	3250 XENLA RHM4 TETNG T103 BOMMO R1N5 MOUSE	AM3_RAT 18X3_BRARE PS96_XENLA 8949_CHICK	OZE2 MOUSE GL5 MOUSE PL2 HUMAN H9L9 HUMAN	RS41_TETNG RFF6_TETNG 6RE0_HUMAN 6PJ5_HUMAN	SF97_TEING 3242_RAT VAR6_DROME GB_BOVIN	U715 BRARE U715 BRARE VBE5 DROME NHN6 HUMAN S7L7 TETNG	FRB_HUMAN
#00000000		2000 #04	20#20		0 110 0	00 50		2000	0000		0000	2000	0000		` m
057349 g Q8mjz4 E Q9ms7 = Q9ttj6 a Q5ttj6 a Q9f5m3 c Q965m3 c Q965m3 c Q4h3k6 c Q80w68 m)8uv29 k)90z87 k)90z87 k)27930 k)13046 k		2965m2 c 248md8 t 297527 r 29jlil m 24rbm3 t	77tqm3 r 74v8p8 r 76mzw2 r 76uwl6 r)63155 z)43146 k)4fzv9 x)90749 g)8uvr9 f)90284 c)58qc3 x)6dn73 h)63237 r)9d6n4 m)93250 y)4rhm4 t)8t103 k)8r1n5 n)63111 z)918x3 k)9p896 x)98949 c	180ze2 n 1920g3 n 19np60 r 15h919 r)4r841 t)4rff6 t)96re0 F	248197 263242 29var6 29var6	2904/8 26u7i5 b 29vbe5 d 28nhn6 b 248717 t	
gallus gi pan trog, mus muscu anophele, rattus nu caenorhal vibrio pl ciona ini mus muscu homo sap:	* * * * * * * * * * * * * * * * * * *	gallus gallus gallus gallus gallus gallus gallus gapie homo sapie drosophila drosophila	caenorhabdi tetraodon n rattus norv mus musculu	rattus n rattus n homo sap homo sap	raog mur tus	rattus n homo sap xenopus mus musc	gallus gall fugu rubrip carassius a xenopus lae	homo sapien rattus norv mus musculu homo sapien	xenopus lae tetraodon n bombyx mori mus musculu	rattus norv brachydanio xenopus lae gallus gall	mus musculu mus musculu h x-linked homo sapien	tetraodo tetraodo homo sap	tetraodon rattus nor drosophila bos taurus	brachyda brachyda drosophi homo sap tetraodo	19
regiod coglod coglod les giles giles giles giles giles giles habdi habdi habdi leculu apien	lanio lanio lanio lpien lpien lpien	gall apien apien hila hila	on n culu	norv norv pien	nila don n sculu norv	norv pien lae culu	gall orip lae lae	oien culu	s lae don n mori sculu	norv mio lae mall	culu culu ced	on n	on n norv ila rus	anio ila pien	
						· · ·									_
1263 1 1264 1 1265 123 1266 123 1266 123 1268 123 1269 123 1270 123 1271 123				1111	1222	1222		52555	122					1222	12
124 123.5 123.5 123.5 123.5 123.5 123.5 123.5	1124 1244 1244	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	124 124 124	124.5 124.5 124.5	124.5 124.5 124.5 124.5	124.5 124.5 124.5 124.5	124.5 124.5 124.5 124.5	124.5 124.5 124.5	125 124.5 124.5 124.5	125 125 125 125	125 125 125 125	125 125 125	125 125 125	125.5 125.5 125	125.5
123.5 8.0 123.5 8.0 123.5 8.0 123.5 8.0 123.5 8.0 123.5 8.0 123.5 8.0 123.5 8.0	124 8.0 124 8.0 124 8.0 124 8.0	124 8.0 124 8.0 124 8.0 124 8.0	124 8.0 124 8.0 124 8.0 124 8.0	124.5 8.1 124.5 8.1 124.5 8.1 124.5 8.1	124.5 8.1 124.5 8.1 124.5 8.1 124.5 8.1	124.5 8.1 124.5 8.1 124.5 8.1 124.5 8.1	124.5 8.1 124.5 8.1 124.5 8.1 124.5 8.1	124.5 8.1 124.5 8.1 124.5 8.1	125 8.1 124.5 8.1 124.5 8.1 124.5 8.1	125 8.1 125 8.1 125 8.1 125 8.1	125 8.1 125 8.1 125 8.1 125 8.1	125 8.1 125 8.1 125 8.1	125 8.1 125 8.1 125 8.1	125.5 8.1 125.5 8.1 125.5 8.1 125 8.1 125 8.1	125.5 8.1
124 8. 123.5 8. 123.5 8. 123.5 8. 123.5 8. 123.5 8. 123.5 8. 123.5 8.	124 8.0 584 124 8.0 626 124 8.0 696 124 8.0 949 124 8.0 1389	124 8.0 391 124 8.0 452 124 8.0 457 124 8.0 468 124 8.0 504	124 8.0 243 124 8.0 316 124 8.0 336 124 8.0 38 124 8.0 388	124.5 8.1 4250 124.5 8.1 4369 124.5 8.1 4447 124.5 8.1 4889	124.5 8.1 1075 124.5 8.1 2217 124.5 8.1 4203 124.5 8.1 4219	124.5 8.1 886 124.5 8.1 917 124.5 8.1 954 124.5 8.1 1007	124.5 8.1 413 124.5 8.1 698 124.5 8.1 769 124.5 8.1 819	124.5 8.1 304 124.5 8.1 325 124.5 8.1 327 124.5 8.1 327	125 8.1 4001 124.5 8.1 235 124.5 8.1 235 124.5 8.1 284	125 8.1 775 125 8.1 937 125 8.1 1072 125 8.1 1802	125 8.1 603 125 8.1 626 125 8.1 709 125 8.1 766	125 8.1 448 125 8.1 495 125 8.1 530	125 8.1 287 125 8.1 360 125 8.1 376 125 8.1 403	125.5 8.1 1263 125.5 8.1 1284 125.5 8.1 234 125 8.1 234 125 8.1 235	125.5 8.1 1028
124 8.0 1400 2 123.5 8.0 182 2 123.5 8.0 258 2 123.5 8.0 312 2 123.5 8.0 312 2 123.5 8.0 379 1 123.5 8.0 413 1 123.5 8.0 503 1	124 8.0 584 2 124 8.0 626 2 124 8.0 696 2 124 8.0 949 2 124 8.0 1389 2	124 8.0 391 2 124 8.0 452 2 124 8.0 457 2 124 8.0 468 2 124 8.0 504 2	124 8.0 243 2 124 8.0 316 2 124 8.0 336 2 124 8.0 380 2 124 8.0 388 1	124.5 8.1 4250 2 124.5 8.1 4369 2 124.5 8.1 4447 2 124.5 8.1 4889 2	124.5 8.1 1075 2 124.5 8.1 2217 2 124.5 8.1 4203 2 124.5 8.1 4219 2	124.5 8.1 886 2 124.5 8.1 917 1 124.5 8.1 954 2 124.5 8.1 1007 1	124.5 8.1 413 2 124.5 8.1 698 2 124.5 8.1 769 1 124.5 8.1 819 1	124.5 8.1 304 2 124.5 8.1 325 2 124.5 8.1 327 1 124.5 8.1 359 2	125 8.1 4001 2 124.5 8.1 235 2 124.5 8.1 235 2 124.5 8.1 234 2	125 8.1 775 2 125 8.1 937 2 125 8.1 1072 2 125 8.1 1802 2	125 8.1 603 2 125 8.1 626 2 125 8.1 709 2 125 8.1 766 2	125 8.1 448 2 125 8.1 495 2 125 8.1 530 2	125 8.1 287 2 125 8.1 360 2 125 8.1 376 2 125 8.1 403 2	125.5 8.1 1263 2 125.5 8.1 1284 1 125.5 8.1 234 2 125 8.1 235 2	125.5 8.1 1028 1
124 8.0 1400 2 QTPF94 ANOGA 124 8.0 1958 2 Q4SE4_TETNG 123.5 8.0 182 2 Q15232_HUMAN 123.5 8.0 258 2 Q5VZTB HUMAN 123.5 8.0 258 2 Q5VZTB HUMAN 123.5 8.0 258 2 Q6NAI9_HUMAN 123.5 8.0 312 2 Q6KVO XENILA 123.5 8.0 312 2 Q6KVO XENILA 123.5 8.0 379 1 JAMIJ_MOUSE 123.5 8.0 388 2 Q8R464 MOUSE 123.5 8.0 388 2 Q8R464 MOUSE 123.5 8.0 503 1 SHPST_HUMAN	124 8.0 584 2 Q98921 CHICK 124 8.0 626 2 Q98922 CHICK 124 8.0 626 1 IRPLI BONPY 124 8.0 696 1 IRPLI BONPY 124 8.0 949 2 QBIGN3 DROME 124 8.0 1389 2 Q4VA61 MOUSE	124 8.0 391 2 Q4S871 TETING 124 8.0 452 2 Q5XKY3_BRARE 124 8.0 457 2 Q960D1_DROME 124 8.0 458 2 Q9XY08_BOMMO 124 8.0 504 2 Q98923_CHICK 124 8.0 577 2 Q98923_CHICK	124 8.0 243 2 Q6IAZ2 HUMAN 124 8.0 316 2 Q5SNN7 BARE 124 8.0 336 2 Q46551 9PRIM 124 8.0 380 2 Q5T2D2 HUMAN 124 8.0 388 1 BASI RAT	124.5 8.1 4250 2 Q5PY59 CAEEL 124.5 8.1 4369 2 QBMXDF_CAEEL 124.5 8.1 4447 2 QBMXDB_CAEEL 124.5 8.1 4889 2 Q9TXK2_CAEEL	124.5 8.1 1075 2 QBTPZZ METAC 124.5 8.1 2217 2 QBAV57_CHICK 124.5 8.1 4203 2 Q965G2_CAEEL 124.5 8.1 4219 2 Q9NL87_CAEEL	124.5 8.1 886 2 G9VM64_DROME 124.5 8.1 917 1 ICAM5_MOUSB 124.5 8.1 954 2 Q7PV74_ANOGA 124.5 8.1 1007 1 ROBO4_HUMAN	124.5 8.1 413 2 Q26438 HYACE 124.5 8.1 698 2 Q5TNTS_ANOGA 124.5 8.1 769 1 PIGR_RAT 124.5 8.1 819 1 FGFRI_CHICK 124.5 8.1 818 2 Q7QCUD ANOGA	124.5 8.1 304 2 Q9TQX1 CANPA 124.5 8.1 325 2 Q8UWL3_ICTPU 124.5 8.1 327 1 EMB HUMAN 124.5 8.1 327 2 Q4KLB4 XENLA	125 8.1 4001 2 Q9N2P7 DROME 124.5 8.1 235 2 Q9N0T0 CANPA 124.5 8.1 235 2 Q9TQ36 CANPA 124.5 8.1 284 2 Q9GL33 BOVIN	125 8.1 775 2 097754 RABIT 125 8.1 937 2 Q5WN68 CAEBR 125 8.1 1072 2 QBT104 BOWNO 125 8.1 1802 2 Q28633 RABIT	125 8.1 603 2 Q4SLPO_TETNG 125 8.1 626 2 Q4SMS6_TETNG 125 8.1 709 2 Q4KLZT_RAT 125 8.1 766 2 Q7QOS7_ANOGA	125 8.1 448 2 Q9JHL7_RAT 125 8.1 495 2 Q4TAJ7_TETNG 125 8.1 530 1 PVR2_MOUSE 125 8.1 530 2 QROXJ5 MOUSE	125 8.1 287 2 09QW80 9MUKI 125 8.1 360 2 QBBJIO MOUSE 125 8.1 376 2 Q9QW78 9MURI 125 8.1 403 2 Q8HY15 LEMCA	125.5 8.1 1263 2 Q723B7 HUMAN 125.5 8.1 1263 2 Q723B7 HUMAN 125.5 8.1 1284 1 NRCAM CHICK 125 8.1 234 2 Q5CZ94 HUMAN 125 8.1 235 2 Q75296 HUMAN	125.5 8.1 1028 1 CNTN3 RAT
124 8.0 1400 2 07pF94 ANOGA 07pF94 124 8.0 1958 2 04SE42 TETMG 04se42 123.5 8.0 182 2 015232 HUMAN 05572 8.0 182 2 015232 HUMAN 057218 123.5 8.0 258 2 05VZTB HUMAN 057218 123.5 8.0 262 2 08NAI9 HUMAN 057218 123.5 8.0 312 2 06KVO XENLA 06KVO 06KVO XENLA 06KVO XENLA 06KVO XENLA 06KVO XENLA 06KVO XENLA 06KVO	124 8.0 584 2 Q98921_CHICK Q98921 124 8.0 626 2 Q98922_CHICK Q98922 124 8.0 626 1 IRPLI BONPY Q79q19 124 8.0 949 2 Q8IGN3 DROWE Q8ign3 124 8.0 1389 2 Q4VA61_MOUSE Q4va61	124 8.0 391 2 Q4SB71 TETING Q4SB71 124 8.0 452 2 Q5XKY3_BRARE Q5XKY3 124 8.0 457 2 Q960D1_DROME Q960D1 124 8.0 458 2 Q9XY0B_BOMMO Q9xyVB 124 8.0 504 2 Q98Y2B_THICK Q98923 124 8.0 577 2 Q98P23_MOUSE Q98923	124 8.0 243 2 Q6IAZZ HUMAN Q61azZ 124 8.0 316 2 Q5SNN7 BRARE Q5SNN7 124 8.0 336 2 Q46551 9PRIM Q45551 124 8.0 380 2 Q5T2DZ HUMAN Q5F2dZ 124 8.0 388 1 BASI RAT P26453 124 8.0 388 1 BASI RAT	124.5 8.1 4250 2 Q5PY59 CAEEL Q5PY59 124.5 8.1 4369 2 Q8MXD7 CAEEL Q8mxd7 124.5 8.1 4447 2 Q8MXD8 CAEEL Q8mxd8 124.5 8.1 4889 2 Q9TXK2_CAEEL Q9txk2	124.5 8.1 1075 2 QBTPZZ_METAC QBtPZZ 124.5 8.1 2217 2 QBAV57_CHICK QBav57 124.5 8.1 4203 2 Q965G2_CAEEL Q965G2 124.5 8.1 4219 2 Q9NL87_CAEEL Q9187	124.5 8.1 886 2 Q9VM64_DROME Q9Vm64 124.5 8.1 917 1 ICAMS_MOUSE Q60675 124.5 8.1 954 2 Q7EV74_ANOGA Q7EV74 124.5 8.1 1007 1 ROBO4_HUMAN Q8wz75	124.5 8.1 413 2 UZC938 HIACLE UZC938 124.5 8.1 698 2 QSTNTS_ANOGA QSTNTS 124.5 8.1 769 1 PIGR_RAT 124.5 8.1 819 1 FGRI_CHICK P21804 124.5 8.1 819 0 707CUD ANOGA O7CCUD	124.5 8.1 304 2 Q9TQX1_CANFA Q9EQX1 124.5 8.1 325 2 Q8UW13_ICTFU Q8UW13 124.5 8.1 327 1 EMB HUMAN Q6pcb8 124.5 8.1 329 2 Q4KLE4_XENLA Q4kle4	125 8.1 4001 2 09N2P7 DROME 09N2P7 124.5 8.1 235 2 09N0T0 CANFA 09N0T0 124.5 8.1 235 2 09TQS6 CANFA 09tQS6 124.5 8.1 284 2 09GL33 BOVIN 09GL33	125 8.1 775 2 097754 RABIT 097754 125 8.1 937 2 Q5WN68 CALEBR Q5wn68 125 8.1 1072 2 Q8T104 BOMMO Q8t104 125 8.1 1802 2 Q28633 RABIT Q28633	125 8.1 603 2 Q4SLPO_TETNG Q481p0 125 8.1 626 2 Q4SMS6 TETNG Q48m86 125 8.1 709 2 Q4KLZ7_RAT Q4kLZ7 125 8.1 766 2 Q7QOS7_ANCGA Q7QOS7	125 8.1 448 2 Q9JHL7_RAT Q9JhL7 125 8.1 495 2 Q4TAJ7_TETNG Q4EaJ7 125 8.1 530 1 PVR2_MOUSE P32507 125 8.1 530 2 GROXJ5 MOUSE G8OX15	125 8.1 287 2 QYGWBU 9MUKI QYGWBU 125 8.1 360 2 QBBJIO_MOUSE QBBJIO_125 8.1 376 2 Q9GW78 9MURI QYGW78 125 8.1 403 2 Q8HY15_LEMCA Q8hy15	125.5 8.1 1263 2 QTZ3B7 HUMAN QTZ3B7 125.5 8.1 1263 2 QTZ3B7 HUMAN QTZ3B7 125.5 8.1 1284 1 NRCAM CHICK P35331 125 8.1 234 2 Q5CZ94 HUMAN Q5cz94 125 8.1 235 2 QTZ3B2 HUMAN Q5cz94 125 8.1 235 2 QTZ3B2 HUMAN Q75296	125.5 8.1 1028 1 CNTN3 RAT
124 8.0 1400 2 Q7FF94 ANOGA Q7FF94 ANOGA Q7FF94 ANOGA Q7FF94 ANOGA Q7FF94 ANOGA Q48842 tet 123.5 8.0 182 2 Q4SEA2_TETMG Q48842 tet 123.5 8.0 258 2 Q5YZTB HUMAN Q5YZTB HOMAN Q5YZTB HOMAN Q5YZTB HOMAN Q5YZTB HOMAN Q5YZTB HOMAN Q5YZTB HOMAN Q6KYO XENIAN Q6KYO XENIAN Q6KYO XENIAN Q6KYO XENIAN Q6KYO XENIAN Q80u19 mus 123.5 8.0 312 2 Q6KYO XENIAN Q80u19 mus 123.5 8.0 388 2 Q8RA64 MOUSE Q87464 mus 123.5 8.0 388 1 HEMO_MYACE P25033 hya. 123.5 8.0 503 1 SHPST_HUMAN P78324 h t:	124 8.0 584 2 Q98921_CHICK Q98921 gall 124 8.0 626 2 Q98922 CHICK Q98922 gall 124 8.0 696 1 IRPLI_PONPY Q7yq19 pony 124 8.0 949 2 Q81GN3 DROME Q81gn3 droi 124 8.0 1389 2 Q4VA61_MOUSE Q4va61 mus	124 8.0 391 2 Q4SB71 TETING Q4SB71 124 8.0 452 2 Q5XKY3_BRARE Q5XKY3 124 8.0 457 2 Q960D1_DROME Q960D1 124 8.0 458 2 Q9XY0B_BOMMO Q9xyVB 124 8.0 504 2 Q98Y2B_THICK Q98923 124 8.0 577 2 Q98P23_MOUSE Q98923	124 8.0 243 2 Q6IAZZ HUMAN Q61azZ 124 8.0 316 2 Q5SNN7 BRARE Q5SNN7 124 8.0 336 2 Q46551 9PRIM Q45551 124 8.0 380 2 Q5T2DZ HUMAN Q5F2dZ 124 8.0 388 1 BASI RAT P26453 124 8.0 388 1 BASI RAT	124.5 8.1 4250 2 Q5PY59 CAEEL Q5PY59 124.5 8.1 4369 2 Q8MXD7 CAEEL Q8mxd7 124.5 8.1 4447 2 Q8MXD8 CAEEL Q8mxd8 124.5 8.1 4889 2 Q9TXK2_CAEEL Q9txk2	124.5 8.1 1075 2 QBTPZZ_METAC QBtPZZ 124.5 8.1 2217 2 QBAV57_CHICK QBav57 124.5 8.1 4203 2 Q965G2_CAEEL Q965G2 124.5 8.1 4219 2 Q9NL87_CAEEL Q9187	124.5 8.1 886 2 Q9VM64_DROME Q9Vm64 dros 124.5 8.1 917 1 ICAMS_MOUSE Q60625 mus 124.5 8.1 954 2 Q7EV74_ANOGA Q7EV74 ANOGA 124.5 8.1 1007 1 ROBO4_HUMAN Q8wz75 homc	124.5 8.1 413 2 UZC938 HIACLE UZC938 124.5 8.1 698 2 QSTNTS_ANOGA QSTNTS 124.5 8.1 769 1 PIGR_RAT 124.5 8.1 819 1 FGRI_CHICK P21804 124.5 8.1 819 0 707CUD ANOGA O7CCUD	124.5 8.1 304 2 Q9TQX1 CANFA Q9tqX1 cani 124.5 8.1 325 2 Q8UWH3_ICTPU Q8UwH3 icts 124.5 8.1 327 1 EMB HUMAN Q6pcb8 homo 124.5 8.1 359 2 Q4KIE4_XENLA Q4kle4_xeno	125 8.1 4001 2 09N2P7 DROME 09N2P7 124.5 8.1 235 2 09N0T0 CANFA 09N0T0 124.5 8.1 235 2 09TQS6 CANFA 09tQS6 124.5 8.1 284 2 09GL33 BOVIN 09GL33	125 8.1 775 2 097754 RABIT 097754 125 8.1 937 2 Q5WN68 CALEBR Q5wn68 125 8.1 1072 2 Q8T104 BOMMO Q8t104 125 8.1 1802 2 Q28633 RABIT Q28633	125 8.1 603 2 Q4SLPO_TETNG Q481p0 125 8.1 626 2 Q4SMS6 TETNG Q48m86 125 8.1 709 2 Q4KLZ7_RAT Q4kLZ7 125 8.1 766 2 Q7QOS7_ANCGA Q7QOS7	125 8.1 448 2 Q9JHL7_RAT Q9jhl7 rattus 125 8.1 495 2 Q4TAJ7_TETNG Q4taj7 tetrao 125 8.1 530 1 PVR2_MOUSE P32507 mus mu 125 8.1 530 2 OBOXJ5 MOUSE OBOXJ5 mus mu	125 8.1 287 2 QSQM80 9MUKI QSQM80 mus sp 125 8.1 360 2 QBBJ10 mOUSE QBbJ10 mus mu 125 8.1 376 2 QSQM78 9MURI QSQm78 mus sp 125 8.1 403 2 Q8HY15_LEMCA Q8hy15 lemur	125.5 8.1 1263 2 Q723B7 HUWAN Q723B7 hom 125.5 8.1 1284 1 NRCAM CHICK P35331 gal 125.6 8.1 234 2 Q5C294 HUWAN Q5c294 hom 125 8.1 235 2 Q5C396 HUWAN Q75296 hom	125.5 8.1 1028 1 CNTN3 RAT Q62682 rat
124 8.0 1400 2 Q7FF94 ANGCA Q7FF94 ANGCA Q7FF94 ANGCA Q7FF94 ANGCA Q48642 TETMG Q48642 TETMG Q1842 TETMG Q1844 TET	124 8.0 584 2 Q98921_CHICK Q98921 gallus gal 124 8.0 626 2 Q98922 CHICK Q98922 gallus gal 124 8.0 626 1 IRPLI EONIPY Q79q19 pongo pygm 124 8.0 696 1 IRPLI EONIPY Q79q19 pongo pygm 124 8.0 949 2 Q8IGN3 DROWE Q8ign3 drosophil 124 8.0 1389 2 Q4VA61_MOUSE Q4va61 mus muscul	124 8.0 391 2 Q4SB71 TETING Q4SB71 124 8.0 452 2 Q5XKY3_BRARE Q5XKY3 124 8.0 457 2 Q960D1_DROME Q960D1 124 8.0 458 2 Q9XY0B_BOMMO Q9xyVB 124 8.0 504 2 Q98Y2B_THICK Q98923 124 8.0 577 2 Q98P23_MOUSE Q98923	124 8.0 243 2 Q6IAZZ HUMAN Q61azZ 124 8.0 316 2 Q5SNN7 BARE Q5SNN7 124 8.0 336 2 Q46551 PPRIM Q46551 124 8.0 380 2 Q5T2DZ HUMAN Q5t2dZ 124 8.0 388 1 BASI RAT P26453	124.5 8.1 4250 2 Q5PY59 CAREL Q5py59 caenorhabd 124.5 8.1 4369 2 Q8MXD7_CAREL Q8mxd7 caenorhabd 124.5 8.1 4447 2 Q8MXD8_CAREL Q8mxd8 caenorhabd 124.5 8.1 4889 2 Q9TXK2_CAREL Q9txk2 caenorhabd	124.5 8.1 1075 2 QBTPZ2 METAC QBtpz2 methanosa 124.5 8.1 2217 2 QBAV57_CHICK QBav57 gallus gal 124.5 8.1 4203 2 Q965G2 CAEEL Q965g2 caenorhabo 124.5 8.1 4219 2 Q9NL87_CAEEL Q9nl87 caenorhabo	124.5 8.1 886 2 O9VM64 DROME O9Vm64 drosophila 124.5 8.1 917 1 CAM5 MOUSE Q60625 mus muscull 124.5 8.1 954 2 O7PV74 ANOGA O7pv74 anopheles 124.5 8.1 1007 1 ROBO4 HUMAN Q8wz75 homo sapic	124.5 8.1 413 2 Q26938 HYALE Q26938 124.5 8.1 698 2 Q5IN75 ANOGA Q5IN75 124.5 8.1 769 1 PIGR RĀT 124.5 8.1 819 1 FGFRĪ CHICK P21804 124.5 8.1 819 1 FGFRĪ CHICK Q721804 124.5 8.1 819 0 70CUD ANOGA Q7GCUD	124.5 8.1 304 2 Q9TQX1 CANFA Q9tgx1 can 124.5 8.1 325 2 Q8UW13 ICTFU Q6pcb8 hom 124.5 8.1 327 1 EMB HUMAN Q6pcb8 hom 124.5 8.1 327 2 Q4KLE4 XENLA Q4kle4 xen 124.5 8.1 359 2 Q4KLE4 XENLA Q4kle4 XEN	125 8.1 4001 2 Q9N2P7_DROME Q9n2p7 drosophila 124.5 8.1 235 2 Q9NQTO_CANPA Q9n0t0 canis fami 124.5 8.1 235 2 Q9TQAS CANPA Q9tgas canis fami 124.5 8.1 284 2 Q9GL33 BOVIN Q9gl33 bos taurus	125 8.1 775 2 097754 RABIT 097754 125 8.1 937 2 Q5WN68 CAEBR Q5wn68 125 8.1 1072 2 QBT104 BOWMO QBE104 125 8.1 1802 2 Q28633 RABIT Q28633	125 8.1 603 2 Q4SLPO_TETNG Q481p0 125 8.1 626 2 Q4SMS6 TETNG Q48m86 125 8.1 709 2 Q4KLZ7_RAT Q4kLZ7 125 8.1 766 2 Q7QOS7_ANCGA Q7QOS7	125 8.1 448 2 Q9JHL7_RAT Q9jhl7 rat 125 8.1 495 2 Q4TAJ7_TETNG Q4taj7 tet 125 8.1 530 1 PVR2_MOUSE P32507 mus 125 8.1 530 2 QADX75_MOUSE Q80x45_mus	125 8.1 287 2 QSQM80 9MUKI QSQM80 mus sp 125 8.1 360 2 QBBJ10 mous mu 125 8.1 376 2 QSQM78 9MURI QSQm78 mus sp 125 8.1 403 2 Q8HY15_LEMCA Q8hy15 lemur	125.5 8.1 1263 2 Q723B7 HUWAN Q723B7 hom 125.5 8.1 1284 1 NRCAM CHICK P35331 gal 125.6 8.1 234 2 Q5C294 HUWAN Q5c294 hom 125 8.1 235 2 Q5C396 HUWAN Q75296 hom	125.5 8.1 1028 1 CNTN3 RAT Q62682

					1 13	132	132	132	132	132	132	132	133	131	131	131	131	131	131	131	130	13	130	130	130	130	13	1 1	12	12	12	129	129	129	128	128	128	128	128	128	12	μ,				12:	127
1340 1341 1342 1343 1344	1338	1335	1334	332	3	9	8 7	0	O1 42	. ω	Ñ		9.0	8	70	л 0	1 142	ω,	-	0	6 8	3	ັດ ບັ	4	ω r	P	8	0 8	97	9 0	4.	ωí	٠ F	. 0	9	80 ~	9	σ.	ŭ 4	N	81	280	279	277	276	75 7	4
121.	21.	12.2	12:	12	12	12	12	12	12:	12	12:	12	12	12:	12:	12.	12	12	3.2	22	122.	22	2 2	22	22.	22	22	3 2	22	2 .	22.	22	2 5	12	12	12	12	12:	12	12	12	12	2 .	2 6	23	123.	23
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5					J J	17	., .,	7		, 7	7	. ,	. .	7	7、		. 7					. 7		7	.		7 -	1 -	7	7 -	1 7		7 8	. œ	80	00 00											
ωωωωω ααααω	_				φ φ	φ,	ω ω	. •	99	φ	ω.	שע	ω	9	·ω		·ω	Φ.	ω ω				y q	9	ע ט	9	ω ч	ט פ	9	ω 4	φ	91	ه د	0	0	o c											
230 233 258 258 218 2 318 2	NNN	N N	N V	N 1	- 2	, <u>, ,</u>	- N	, р	N	N	N	N N	งง	–	N	, v	N	,	ง เง	2	N N	N	N	-	N 1	N	N 1	ں ر	N	N	, ,	NI	o r	N	N	» ⊢	'n	N	N 1	, N	_	ν:) N	N	ν,	ν,
Q8QGS1_COTJA Q6NS96_HUMAN Q12811_HUMAN Q8INK5_DROME Q8INK5_DROME	Q1523 Q8NDI	Q9453 Q9453	Q8ML4	Tuesday	PIGE VYLSD	IRPL1	IRPL1	IRPL2	QSEGO	Q4T6S	Q7QEY	OSEAU	Q6MG8	RAGE_	Q726M	091105	Q5U05	CD48	Q86GD	MX560	Q5TR6	QBCAW	Q5581	MUC18	09888	M9080	Q7T1J	SSGS	Q5R88	OSRDG	CD80_	Q8K1Z	04660	Q967X	Q8TAM	OBNET	Q4RTW	Q9Y4A	09H8E	Q9443	BASI	XXM80	27023	OBNZS	Q9128	Q6B51	CEMBO
1 COTU 6 HUMAI 1 HUMAI 5 DROMI 6 VARV	O_HUMAI O_HUMAI	7_DROM	7 DROM	CAEBI	O HUMAI	PANTR	I HUMAI	MOUSE	O HUMAI	OTETN	B_ANOG	2 FUGRI	6 RAT	RAT	3 HUMAI	O HIMA	5_HUMAI	HUMAN	6_PROCI	1_PROC	ANOG	4_MOUS	2 HUMAJ	HUMAN	8 RAT	SNOW_0	4 BRARI	HUMAN	4_PONP	1 PONE	RABIT	5_MOUSI	מוס מוס מוס מוס מוס	6_DROM	P_HUMAI	NEMEN C	9_TETN	4 HUMA	9 HUMAI	1_CIOI	CRIGR	6 HUMA	SHOW S	A HUMA	7_PLEW	5_POEGI	PANT
0 Z Z Þ	220	. W W	00 C	עק ו ע	z		z		zc	; 60	> (q			Z 2	Ζ,	z		r	, C-	P	, 13)	2 2		6	100	60 6	73	*	₩ 2		Ø	e.	1 (73)	Z	z	ស	z	Z p	, Z		z	77 G	a 2	. ₽	G 7	70
Q8qgs1 Q6ns96 Q12811 Q8ink5 Q8bei6	Q1523 Q8ndi	Q9453 Q9453	Q8m14	Q60u1	05jyv	2003	rzu60 ndn60	Q9ers	08tbu	Q4 t 6 E	Q7qey	OSead	Q6mgg	Q6349	Q7z6n	0900	Q5u05	P0932	Q869c	Q95yn	Q5tre	Q8cav	09581	P4312	09ess	Q8c6v	07t11	P1146	Q5r88	OSrdo	P4207	Q8k12	0466	Q9673	Q8tan	08061	Q4rtv	Q9y4a	O9hae	Q9443	Q99pa	08	P7023	Quant	Q9128	06051	OBmiz
of homo	15 aros	7 dros	17 dros	6 caen	70 homo	9 pan	11 homo	ge mus	17 icta 10 homo	0 tetr	/8 anop	i2 fugu	6 ratt	5 ratt	n3 homo	74 racc	тот	hom	16 proc	ni proc	3 anop	v4 mus	12 home	21 home	38 ratt	o mus	4 brac	hrac	4 pong	oned 17	70 oryct	55 mus	la gua	e dros	n9 homo	2 xenc	v9 tetr	14 homo	omod 65	of cion	3 cric	76 homo	ישוש כני	omon o	.ם	יט ש	ರ
coturnix co homo sapien homo sapien drosophila variola vir	sapie sapie	ophila ophila	muscui	orhabd	muacul	troglo	sapie sapie	muscul	Bapie	aodon	heles	ue nor	us nor	ne nor	варіе	cus norv	sapie	eapie	cambarus	ambaru	anopheles g	muecul	eapie	sapie	ue nor	muscul	hydani	hydani	mbkd of	mardes of	tolagu	mus musculu	acrofa	ophila	sapie	opus La	aodon	sapie	sabie	a inte	etulus) sapie		omo sapie	ırodele	oephila gu	troglo
1413 1414 1415 1416 1417					1403	1402	1400	1399	1397	1396	1395	1394														1374	1373	1371	1370	1369	1367	1366	1 1 1 0 0 4	1363	1362	1361											1347
1413 119.5 1414 119.5 1415 119.5 1416 119.5 1417 119.5	119	119	119			. <u> </u>		ш.	یر می		ш,		120	120	120	120	120	120	120	120	120	120	120	120	120		.					<u>.</u> .			_			121	121	121	121	123	121	121	121	121	1347 121
119.5 119.5 119.5 119.5 7. 119.5 7.	119.5	119.5 7. 119.5 7.	119.5 7.	120	120 7.	120 7.	120 120 7.	120 7.	120 7. 120 7.	120 7.	120 7.	120 7.	120.5 7.	120.5 7.	120.5 7.	120.5 7.	120.5 7.	120.5 7.	120.5 7.	120.5 7.	120.5 7.	120.5 7.	120.5 7.	120.5 7.	120.5 7.	121 7.	121 7.	121 7.	121 7.	121 7.	121 7.	121 7.	121 7	121 7.	121 7.	121 7.	121 7.	121.5 7.	121.5 7.	121.5 7.	121.5 7.	121.5 7.	121.5 7	121.5	121.5 7.	121.5 7.	1347 121.5 7.
119.5 119.5 119.5 119.5 7. 119.5 7.	119.5 7.7 119.5 7.7 119.5 7.7	119.5 7.7 119.5 7.7	119.5 7.7	120 7.8	120 7.8 120 7.8	120 7.8	120 7.8 120 7.8	120 7.8	120 7.8 120 7.8	120 7.8	120 7.8	120 7.8	120.5 7.8	120.5 7.8	120.5 7.8	120.5 7.8	120.5 7.8	120.5 7.8	120.5 7.8	120.5 7.8	120.5 7.8	120.5 7.8	120.5 7.8	120.5 7.8	120.5 7.8	121 7.8	121 7.8	121 7.8	121 7.8	121 7.8	121 7.8	121 7.8	121 7.8	121 7.8	121 7.8	121 7.8	121 7.8	121.5 7.9	121.5 7.9	121.5 7.9	121.5 7.9	121.5 7.9	121.5 7.9	121.5	121.5 7.9	121.5 7.9	1347 121.5 7.9
119.5 7.7 464 2 119.5 7.7 556 2 119.5 7.7 834 2 119.5 7.7 960 1 119.5 7.7 973 2	119.5 /./ 352 2 119.5 7.7 352 2 119.5 7.7 452 2	119.5 7.7 318 2 119.5 7.7 343 2	119.5 7.7 270 2	120 7.8 1501 2	120 7.8 976 2 120 7.8 976 2	120 7.8 976 2	120 7.8 795 2 120 7.8 939 2	120 7.8 600 2	120 7.8 337 2 120 7.8 355 2	120 7.8 308 2	120 7.8 296 2	120 7.8 249 2	120.5 7.8 4194 2	120.5 7.8 1122 2	120.5 7.8 827 2	120.5 7.8 571 2	120.5 7.8 483 2	120.5 7.8 376 2	120.5 7.8 332 2	120.5 7.8 315 2	120.5 7.8 292 2 120.5 7.8 294 2	120.5 7.8 265 2	120.5 7.8 229 2	120.5 7.8 217 2	120.5 7.8 181 2	121 7.8 2007 2	121 7.8 1437 2	121 7.8 847 L	121 7.8 844 2	121 7.8 822 2	121 7.8 696 1	121 7.8 695 1	121 7.8 475 2	121 7.8 402 2	121 7.8 336 2	121 7.8 275 1	121 7.8 265 2	121.5 7.9 1471 2	121.5 7.9 1447 1	121.5 7.9 893 2	121.5 7.9 782 2	121.5 7.9 782 2	121.5 7.9 733 2	121.5 7.9 700 I	121.5 7.9 635 2	121.5 7.9 404 1	1347 121.5 7.9 357 2
119.5 7.7 464 2 119.5 7.7 556 2 119.5 7.7 834 2 119.5 7.7 960 1 119.5 7.7 973 2	119.5 /./ 352 2 119.5 7.7 352 2 119.5 7.7 452 2	119.5 7.7 318 2 119.5 7.7 343 2	119.5 7.7 270 2	120 7.8 1501 2	120 7.8 976 2 120 7.8 976 2	120 7.8 976 2	120 7.8 795 2 120 7.8 939 2	120 7.8 600 2	120 7.8 337 2 120 7.8 355 2	120 7.8 308 2	120 7.8 296 2	120 7.8 249 2	120.5 7.8 4194 2	120.5 7.8 1122 2	120.5 7.8 827 2	120.5 7.8 571 2	120.5 7.8 483 2	120.5 7.8 376 2	120.5 7.8 332 2	120.5 7.8 315 2	120.5 7.8 292 2 120.5 7.8 294 2	120.5 7.8 265 2	120.5 7.8 229 2	120.5 7.8 217 2	120.5 7.8 181 2	121 7.8 2007 2	121 7.8 1437 2	121 7.8 847 L	121 7.8 844 2	121 7.8 822 2	121 7.8 696 1	121 7.8 695 1	121 7.8 475 2	121 7.8 402 2	121 7.8 336 2	121 7.8 275 1	121 7.8 265 2	121.5 7.9 1471 2	121.5 7.9 1447 1	121.5 7.9 893 2	121.5 7.9 782 2	121.5 7.9 782 2	121.5 7.9 733 2	121.5 7.9 700 I	121.5 7.9 635 2	121.5 7.9 404 1	1347 121.5 7.9 357 2
119.5 7.7 464 119.5 7.7 556 119.5 7.7 834 119.5 7.7 960 119.5 7.7 973	119.5 /./ 352 2 119.5 7.7 352 2 119.5 7.7 452 2	119.5 7.7 318 2 119.5 7.7 343 2	119.5 7.7 270 2	120 7.8 1501 2	120 7.8 976 2 120 7.8 976 2	120 7.8 976 2	120 7.8 795 2 120 7.8 939 2	120 7.8 600 2	120 7.8 337 2 120 7.8 355 2	120 7.8 308 2	120 7.8 296 2	120 7.8 249 2	120.5 7.8 4194 2	120.5 7.8 1122 2	120.5 7.8 827 2	120.5 7.8 571 2	120.5 7.8 483 2	120.5 7.8 376 2	120.5 7.8 332 2	120.5 7.8 315 2	120.5 7.8 292 2 120.5 7.8 294 2	120.5 7.8 265 2	120.5 7.8 229 2	120.5 7.8 217 2	120.5 7.8 181 2	121 7.8 2007 2	121 7.8 1437 2	121 7.8 847 L	121 7.8 844 2	121 7.8 822 2	121 7.8 696 1	121 7.8 695 1	121 7.8 475 2	121 7.8 402 2	121 7.8 336 2	121 7.8 275 1	121 7.8 265 2	121.5 7.9 1471 2	121.5 7.9 1447 1	121.5 7.9 893 2	121.5 7.9 782 2	121.5 7.9 782 2	121.5 7.9 733 2	121.5 7.9 700 1	121.5 7.9 635 2	121.5 7.9 404 1	1347 121.5 7.9 357 2
119.5 7.7 464 2 119.5 7.7 556 2 119.5 7.7 834 2 119.5 7.7 960 1 119.5 7.7 973 2	119.5 /./ 352 2 119.5 7.7 352 2 119.5 7.7 452 2	119.5 7.7 318 2 119.5 7.7 343 2	119.5 7.7 270 2	120 7.8 1501 2	120 7.8 976 2 120 7.8 976 2	120 7.8 976 2	120 7.8 795 2 120 7.8 939 2	120 7.8 600 2	120 7.8 337 2 120 7.8 355 2	120 7.8 308 2	120 7.8 296 2	120 7.8 249 2	120.5 7.8 4194 2	120.5 7.8 1122 2	120.5 7.8 827 2	120.5 7.8 571 2	120.5 7.8 483 2	120.5 7.8 376 2	120.5 7.8 332 2	120.5 7.8 315 2	120.5 7.8 292 2 120.5 7.8 294 2	120.5 7.8 265 2	120.5 7.8 229 2	120.5 7.8 217 2	120.5 7.8 181 2	121 7.8 2007 2	121 7.8 1437 2	121 7.8 847 L	121 7.8 844 2	121 7.8 822 2	121 7.8 696 1	121 7.8 695 1	121 7.8 475 2	121 7.8 402 2	121 7.8 336 2	121 7.8 275 1	121 7.8 265 2	121.5 7.9 1471 2	121.5 7.9 1447 1	121.5 7.9 893 2	121.5 7.9 782 2	121.5 7.9 782 2	121.5 7.9 733 2	121.5 7.9 700 1	121.5 7.9 635 2	121.5 7.9 404 1	1347 121.5 7.9 357 2
119.5 7.7 464 2 Q4RGD6 TETNG 119.5 7.7 556 2 Q53TUT-HUMAN 119.5 7.7 834 2 Q52KG8 MOUSE 119.5 7.7 960 1 KIT_CHTCK 119.5 7.7 973 2 Q7QJK6_ANOGA	119.5 7.7 352 2 QUEZOS HUMAN 119.5 7.7 352 2 QUEZOS HUMAN 119.5 7.7 452 2 QSWRRI CAEEL	119.5 7.7 318 2 QBAYZB VARV 119.5 7.7 343 2 QSEGOB ICTPU	119.5 7.7 270 2 Q6XJV4_MOUSE	120 7.8 1501 2 QXXXX9 DROME	120 7.8 976 2 Q8JFR5_BRARE	120 7.8 976 2 Q5RID5_BRARE	120 7.8 795 2 Q5U4L8_XENLA 120 7.8 939 2 Q9VB35_DROME	120 7.8 600 2 Q8N7W7 HUMAN	120 7.8 337 2 Q91AZ4_9PERC 120 7.8 355 2 Q4V8L4 RAT	120 7.8 308 2 Q7Q863_ANOGA	120 7.8 296 2 Q6LCE6 HUMAN	120 7.8 249 2 Q6EURI BRAKE	120.5 7.8 4194 2 Q61S53_CAEBR	120.5 7.8 1122 2 Q4SAA1_TETNG	120.5 7.8 827 2 Q6GNS5_XENLA	120.5 7.8 5/1 2 Q5W0G0_HUMAIN	120.5 7.8 483 2 Q7SX76_BRARE	120.5 7.8 376 2 Q4V3FO_DROME	120.5 7.8 332 2 Q684Q2_MOUSE	120.5 7.8 315 2 Q9VMB2_DROME	120.5 7.8 292 2 Q80W97_MBRUN	120.5 7.8 265 2 Q4V3R1_DROME	120.5 7.8 229 2 Q7QBJ8 ANOGA	120.5 7.8 217 2 Q6KGNO_9CAUD	120.5 7.8 181 2 O9D7V7_MOUSE	121 7.8 2007 2 Q4SM88_TETNG	121 7.8 1437 2 044329 HIRME	121 7.8 847 L FSTL5 MOUSE	121 7.8 844 2 Q5XG38 XENLA	121 7.8 822 2 Q9QVV7 9MURI	121 7.8 696 1 IRPLI_RAT	121 7.8 695 1 IRPL1 MOUSE	121 7.8 475 2 Q03230_KAI	121 7.8 402 2 035444 MOUSE	121 7.8 336 2 Q8UV73_BRARE	121 7.8 275 2 070H96 FOWPV	121 7.8 265 2 Q61XU3_CAEBR	121.5 7.9 1471 2 Q18245 CAEEL	121.5 7.9 1447 1 DCC MOUSE	121.5 7.9 893 2 Q5TNT4_ANOGA	121.5 7.9 782 2 Q61563_MOUSE	121.5 7.9 782 2 Q9TTZ3 RABIT	121.5 7.9 733 2 090ZM7_MOUSE	121.5 7.9 700 1 KARKZ MOUSE	121.5 7.9 635 2 Q4S1S8 TETNG	121.5 7.9 404 1 RAGE_HUMAN	1347 121.5 7.9 357 2 Q63238 RAT
119.5 7.7 464 2 QARGD6 TETNG QAT9G6 119.5 7.7 556 2 Q53TUT_HUMAN Q53tu7 119.5 7.7 834 2 Q52KG8 MOUSE Q53tu5 119.5 7.7 960 1 KIT_CHICK Q08156 119.5 7.7 973 2 Q7QJK6_ANOGA Q7qjk6	119.5 7.7 352 2 QUEZOS HUMAN QUEZOS 119.5 7.7 352 2 Q15403 HUMAN Q15403 119.5 7.7 452 2 Q5WRRI_CAEEL Q5WITI	119.5 7.7 318 2 QBAYZB VARV QBAYZB 119.5 7.7 318 2 QBAYZB THRV QSeg08 CTPU QSeg08 CTPU QSeg08	119.5 7.7 270 2 Q6XJV4_MOUSE Q6XJV4	120 7.8 1501 2 Q7KUK9 DROME Q7kuk9	120 7.8 976 2 Q8JFR5_BRARE Q8JIT5	120 7.8 976 2 Q5RID5 BRARE Q5rid5	120 7.8 795 2 Q5U4L8_XENLA Q5U4L8 120 7.8 939 2 Q9VB35_DROME Q9vb35	120 7.8 600 2 Q8N7W7 HUMAN Q8n7w7	120 7.8 337 2 Q91AZ4_9PEKC Q91AZ4 120 7.8 355 2 Q4V8L4 RAT Q4v8l4	120 7.8 308 2 Q7Q863_ANOGA Q7q863	120 7.8 296 2 Q6LCE6 HUMAN Q61ce6	120 7.8 249 2 Q6FURT_BRAKE Q6FURT Q6X1V6	120.5 7.8 4194 2 Q61853 CAEBR Q61853	120.5 7.8 1122 2 Q4SAA1_TETNG Q48aa1	120.5 7.8 827 2 Q6GNS5_XENLA Q6gns5	120.5 7.8 677 2 OBOHL2 CHICK OBohl2	120.5 7.8 483 2 Q7SX76_BRARE Q7sx76	120.5 7.8 376 2 Q4V3F0_DROME Q4v3f0	120.5 7.8 332 2 Q684Q2 MOUSE Q684Q2	120.5 7.8 315 2 Q9VMB2 DROME Q9Vmb2	120.5 7.8 292 2 Q80W97_MBRUN Q80W97 120.5 7.8 294 2 Q6KGN1_9CAUD Q6kgn1	120.5 7.8 265 2 Q4V3R1_DROME Q4v3r1	120.5 7.8 229 2 Q7QBJ8_ANQGA Q7qbj8	120.5 7.8 217 2 Q6KGNO_9CAUD Q6kgn0	120.5 7.8 181 2 O9D7V7_MOUSE	121 7.8 2007 2 Q4SM88_TETNG Q4sm88	121 7.8 1437 2 044329 HIRME 044329	121 7.8 897 L FSTLD MOUSE QUBETS	121 7.8 844 2 Q5XG38 XENLA Q5Xg38	121 7.8 822 2 090VV7 9MURI 09qvv7	121 7.8 696 1 IRPLI_RAT P59824	121 7.8 695 1 IRPL1 MOUSE P59823	121 7.8 475 2 Q03230 KAI Q03230	121 7.8 402 2 035444 MOUSE 035444	121 7.8 336 2 Q8UV73_BRARE Q8uv73	121 7.8 275 2 070H96 FOWPV	121 7.8 265 2 Q61XU3_CAEBR Q61xu3	121.5 7.9 1471 2 Q18245 CAEEL Q18245	121.5 7.9 1447 1 DCC MOUSE P70211	121.5 7.9 893 2 Q5TNT4_ANOGA Q5tnt4	121.5 7.9 782 2 Q61563 MOUSE Q61563	121.5 7.9 782 2 Q9TTZ3 RABIT Q9ttz3	121.5 7.9 733 2 090ZM7_MOUSE 09qzm7	121.5 7.9 700 1 KIKKZ MUUSE (2/080/	121.5 7.9 635 2 Q4S1S8 TETNG Q48188	121.5 7.9 404 1 RAGE_HUMAN	1347 121.5 7.9 357 2 Q63238 RAT Q63238
119.5 7.7 464 2 QARGD6 TETNG QAT9G6 119.5 7.7 556 2 Q53TUT_HUMAN Q53tu7 119.5 7.7 834 2 Q52KG8 MOUSE Q52kg8 119.5 7.7 960 1 KIT_CHICK Q08156 119.5 7.7 973 2 Q7QJK6_ANOGA Q7qjk6	119.5 7.7 352 2 QUSACO HUMAN QUGACO HUM 119.5 7.7 352 2 QUSAGO HUMAN QUSAGO HUM 119.5 7.7 452 2 QSWRR1_CAEEL Q5wrr1 cae	119.5 7.7 318 2 QBAYZ8_VARV Q8ayz8 var 119.5 7.7 343 2 QSEGOB_ICTPU Q5egOB ict:	119.5 7.7 270 2 Q6XJV4_MOUSE Q6xjv4 mus	120 7.8 1501 2 Q7KUK9 DROME Q7kuk9 dro	120 7.8 976 2 Q8JFR5_BRARE Q8JIT5	120 7.8 976 2 Q5RID5 BRARE Q5rid5 bra	120 7.8 795 2 Q5U4L8_XENLA Q5U4L8 120 7.8 939 2 Q9VB35_DROME Q9vb35	120 7.8 600 2 Q8N7W7 HUMAN Q8n7w7	120 7.8 337 2 Q91AZ4_9PERC 120 7.8 355 2 Q4V8L4 RAT	120 7.8 308 2 Q7Q863_ANOGA Q7q863	120 7.8 296 2 Q6LCE6 HUMAN Q61ce6	120 7.8 249 2 Q6FUNI_BRAKE Q6FUNI 120 7.8 249 2 Q6FUNI_BRAKE Q6FYV6	120.5 7.8 4194 2 Q61853 CAEBR Q61853	120.5 7.8 1122 2 Q4SAA1_TETNG Q48aa1	120.5 7.8 827 2 Q6GNS5_XENLA Q6gns5	120.5 7.8 677 2 OBOHL2 CHICK OBohl2	120.5 7.8 483 2 Q7SX76_BRARE Q7sx76	120.5 7.8 376 2 Q4V3F0_DROME Q4v3f0	120.5 7.8 332 2 Q684Q2 MOUSE Q684Q2	120.5 7.8 315 2 Q9VMB2 DROME Q9Vmb2	120.5 7.8 292 2 Q80W97_MBRUN	120.5 7.8 265 2 Q4V3R1_DROME Q4v3r1	120.5 7.8 229 2 Q7QBJ8_ANQGA Q7qbj8	120.5 7.8 217 2 Q6KGNO_9CAUD Q6kgn0	120.5 7.8 181 2 O9D7V7_MOUSE	121 7.8 2007 2 Q4SM88_TETNG Q4sm88	121 7.8 1437 2 044329 HIRME 044329	121 7.8 897 L FSTLD MOUSE QUBETS	121 7.8 844 2 Q5XG38 XENLA Q5Xg38	121 7.8 822 2 090VV7 9MURI 09qvv7	121 7.8 696 1 IRPLI_RAT P59824 rat	121 7.8 695 1 IRPL1 MOUSE	121 7.8 475 2 Q03230 KAI Q03230 120	121 7.8 402 2 035444 MOUSE 035444	121 7.8 336 2 Q8UV73_BRARE Q8uv73 1	121 7.8 275 2 070H96 FOWPV	121 7.8 265 2 Q61XU3 CAEBR Q61Xu3	121.5 7.9 1471 2 Q18245 CAEEL Q18245	121.5 7.9 1447 1 DCC MOUSE P70211 1	121.5 7.9 893 2 Q5TNT4_ANOGA Q5tnt4 .	121.5 7.9 782 2 Q61563 MOUSE Q61563 mus m	121.5 7.9 782 2 Q9TTZ3 RABIT Q9ttz3 oryc	121.5 7.9 733 2 090ZM7_MOUSE 09qzm7 mus m	121.5 7.9 700 1 KARKZ MOUSE	121.5 7.9 635 2 Q4S1S8 TETNG Q48188 tetrac	121.5 7.9 404 1 RAGE_HUMAN Q15109 homo	1347 121.5 7.9 357 2 Q63238 RAT Q63238 rattus

```
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
119.5
        \frac{1}{1} \frac{1}
        1057
4178
4218
5777
6750
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
11390
Q81SF5_CAEEL
Q699PO_ANTPE
Q86CY9 HELAM
Q80Y42_MOUSE
Q86CY9 HELAM
Q80Y42_MOUSE
Q481C0_TETING
Q48SOAC_TETING
Q48SOAC_TETING
Q48SOAC_TETING
Q48SOAC_TETING
Q8K1H8 MOUSE
Q58131_DROME
Q59137_HUMAN
Q80123_HUMAN
Q90132_BROVIN
Q61H8 RAT
SIG10_HUMAN
Q700F_TETING
Q48SUA_TETING
Q48SUA_TETI
                    7 xenopus lae
7 homo sapien
5 homo sapien
6 homo sapien
0 homo sapien
1 tetraodon n
5 caenorhabdi
5 homo sapien
6 homo sapien
9 homo sapien
1 mus musculu
9 mus musculu
                                                                                                                                                                                                                                                                                                                                                                              7 homo sapien
1 anopheles g
0 oryctolagus
5 caenorhabdi
2 anopheles g
6 anopheles g
6 anopheles g
7 homo sapien
8 caenorhabdi
8 mus cului
8 mus muscului
8 anopheles g
9 homo sapien
8 caenorhabdi
8 mus muscului
8 anopheles g
9 homo sapien
9 homo sapien
1 homo sapien
5 cettraodon n
9 tettraodon n
9 tettraodon n
10 homo sapien
10 tettraodon sapien
10 tetraodon sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    7 homo sapien
9 homo sapien
1 drosophila
                                                             homo sapien
homo sapien
pan troglod
drosophila
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             m mus muscu
homo sapien
drosophila
homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 pongo pygma
brachydanio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           tetraodon r
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ovis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                rattus norv
caenorhabdi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  mus musculu
tetraodon n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       antheraea p
helicoverpa
                                                                                                                                             mus musculu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               bos taurus
rattus norv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              mus musculu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 mus musculu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gallus gall
drosophila
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  caenorhabdi
    sapien
sapien
sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       aries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 1

JAM1_HUMAN

ID JAM1 HUMAN

ID JAM1 HUMAN

AC Q99674;

DT 16-OCT-2001 (Rel. 40, Lab-
T13-SEP-2005 (Rel. 48, Lab-
Tunctional adhesion mo.)

Tunctional adhesion mo.)

Tunctional afhesion mo.

Tunctional afhesion mo.

Tunctional "Tunctional"

Tuncymr
        1492
1493
1494
1495
1496
1497
1498
1499
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      receptor).

Name=FilR; Synonyms=JAM1, J
Homo sapiens (Human).

Bukaryota; Metazoa; Chordat
Mammalia; Eutheria; Euarcho
    NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA].

MEDLINE=22887296; PubMed=12975309; DOI=10.1101/gr.1293003;

MEDLINE=22887296; PubMed=12975309; DOI=10.1101/gr.1293003;

Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D.T., Brush J.,

Chen J., Chow B., Chui C., Crowley C., Currell B., Deuel B., Dowd P.

Eaton D., Foster J.S., Grimaldi C., Gu Q., Hass P.E., Heldens S.,
                                                                                                                   MEDLINE-21134917; PubMed=11230166; DOI=10.1101/gr.154701; Mismann S., Weil B., Wellenreuther R., Gassenhuber J., Glassi & Ansorge W., Boecher M., Bloecker H., Beuersachs S., Blum H., Lauber J., Duesterhoeft A., Beyer A., Koehrer K., Strack N., Mewes H.-W., Ottenwaelder B., Obermaier B., Tampe J., Heubner I. Wambutt R., Korn B., Klein M., Poustka A.; "Towards a catalog of human genes and proteins: sequencing and analysis of 500 novel complete protein coding human cDNAs."; Genome Res. 11:422-435(2001).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PubMed=10753840;

PubMed=10753840;

Sobocka M.B., Sobocki T., Banerjee P., Weiss C., Rushbrook J.I.,

Norin A.J., Hartwig J., Salifu M.O., Markell M.S., Babinska A.,

Ehrlich Y.H., Kornecki E.;

Eloning of the human platelet F11 receptor: a cell adhesion molecule

"Cloning of the immunoglobulin superfamily involved in platelet
aggregation.";

Blood 95:2600-2609(2000).
                                                                                                                                                                                                                                                                                                                                                           PubMed=11171323;
Naik U.P., Naik M.U., Eckfeld K., Martin-DeLeon P., Spychala J.;
"Characterization and chromosomal localization of JAM-1, a platelet receptor for a stimulatory monoclonal antibody.";
J. Cell Sci. 114:539-547(2001).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NÜCLEOTIDE SEQUENCE [MRNA].
MEDLINE=9923940; PubMed=10395639;
MEDLINE=9923940; PubMed=10395639;
MEDLINE=99323940; PubMed=10hi H., Arai H.,

Iwamatsu A., Kita T.;
"Combined treatment of TNF-alpha and IFN-c
of junctional adhesion molecule in human of junctional adhesion molecule."
J. Immunol. 163:553-557(1999).
                                                                                                                                                                                                                                                                                                    NUCLEOTIDE SE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUCLEOTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUCLEOTIDE SEQUENCE [MRNA].
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE [LARGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE [MRNA],
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        7777777
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    . 40, Created)
40, Last sequence update)
. 48, Last annotation update)
. 48, Last annotation update)
. 49, Last annotation update)
. 49, Last annotation update)
. 40, Created
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        764
793
848
1089
1198
1240
1251
2343
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Chordata; Craniata; Vertebrata; Euteleostomi; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 JCAM; ORFNames=UNQ264/PRO301;
                                                                                                                                                                                                                                                                                                                          SCALE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Q68D81_HUMAN
Q4RY64_TETING
Q25198_HYDAT
PGFRA_HUMAN
Q60T65_CAEBR
NFASC_MOUSE
Q62D54_MOUSE
Q5TX11_ANOGA
Q61SF4_CAEBR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           a and IFN-gamma causes redistribution
in human endothelial cells.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SUBCELLULAR LOCATION
                                                                                                                                                                                                                                                                                                                          MRNA].
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kawamoto T.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (Junctional adhesion (PAM-1) (Platelet F11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Q68d81
Q4ry64
Q25198
P16234
Q60t65
Q810u3
Q6zq54
Q5tx11
Q61sf4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Okawa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      l mus musculu
L anopheles g
L caenorhabdi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             tetraodon n
hydra atten
homo sapien
caenorhabdi
mus musculu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    <u>.</u>
                                                                                                                                                                                                       Ö,
                                                                                                                                                                                                                                                               ß
```

```
RX MEDLINE=2238257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RX Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RX Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RX Altechul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RX Altechul S.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RX Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RX Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RX Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RX Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RX Brownstein M.J., Wekernan K.J., Malek J.A., Gunaratne P.H.,
RX RAHA S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RX RAHA S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RX Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RX Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RX Richards S., Worley K.C., Hale S., Garcia A.M., Gabbs R.A.,
RX Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RX Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RX Alting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RX Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RX Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RX RA RAM, Schern J.E., Jones S.J.M., Marra M.A.,
"Generation and initial analysis of more than 15,000 full-length human
"Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J., Lewis L., Liao D., Mark M.R., Robbie E., Sanchez C., Scheenfeld J., Seshagiri S., Simmons L., Singh J., Smith V., Stinson J., Vagts A., Vandlen R.L., Watanabe C., Wieand D., Woods K., Xie M.-H., Vansura D.G., Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A.I. Wood W.I., Godowski P.J., Gray A.M.;

Wood W.I., Godowski P.J., Gray A.M.;

"The secreted protein discovery initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane proteins:
                                                                                                                                                                                       INTERACTION WITH MPDZ.

PubMed=11489913; DCI=10.1083/jcb.200103047;

Itoh M., Sasaki H., Furuse M., Ozaki H., Kita T., Tsukita S.;

"Junctional adhesion molecule (JAM) binds to PAR-3: a possible mechanism for the recruitment of PAR-3 to tight junctions.";
                                                                                                                                                                                                                                                                                                                        "Exploring proteomes and analyzing protein processing by mass spectrometric identification of sorted N-terminal peptides."; Nat. Biotechnol. 21:566-569(2003).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  linking of a novel platelet receptor the Fc gamma RII receptor."; Biochem. J. 310:155-162(1995).
                                                                                                                                                                                                                                                                                                                                                                                      Gevaert K., Goethals M., Martens L., Thomas G.R., Vandekerckhove J.;
                                                                                                                                                                                                                                                                                                                                                                                                          MEDLINE=22608298; PubMed=12665801; DOI=10.1038/nbt810; Gevaert K., Goethals M., Martens L., Van Damme J., Sta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PROTEIN SEQUENCE OF 28-42.
PubMed=15340161; DOI=10.11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           bioinformatics assessment.";
Genome Res. 13:2265-2270(2003).
                                                                                                                                                                                                                                                                                                                                                                                                                                                        TISSUE=Platelet
                                                                "Leukocyte-endothelial-cell interactions
                                                                                      Muller W.A.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PROTEIN SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Signal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mechanisms of platelet activation by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Naik U.P., Ehrlich Y.H.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PROTEIN SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          mouse cDNA sequences.";
c. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ν.
Immunol. 24:3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                peptide prediction based d cleavage sites."; Sci. 13:2819-2824(2004).
                                                                                                                              AND
                                       inflammatory
                                                                                                                                                                          Biol.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  340161; DOI=10.1110/ps.04682504;
Henzel W.J.;
                                                                                                                                  NOMENCLATURE.
                                                                                                                                                                        154:491-497 (2001).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ç
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OF 28-103 AND 123-130,
                                                                                                          DOI=10.1016/S1471-4906(03)00117-0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 [LARGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            28-39
  plays a role in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kornecki E.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SCALE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MRNA]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              on analysis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     a stimulatory
  epithelial tight junction
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AND N-GLYCOSYLATION
                                                                ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 monoclonal
                                                                leukocyte
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            of experimentally
                                                                                                                                                                                                                                                                                                                                                                                                            Staes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              antibody:
                                                                transmigration
                                                                                                                                                                                                                                                                                                                                                                                                              Α.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              F11 with
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A.D.
```

```
ঠ
                                             밁
                                                                  S
                                                                                           В
                                                                                                                S
                                                                                                                                          밁
                                                                                                                                                              S
                                                                                                                                                                                                       Query Match
Best Local :
                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                CARBOHYD
DISULFID
                                                                                                                                                                                                                                                                                                  TOPO DOM
TRANSMEM
TOPO DOM
DOMAIN
                                                                                                                                                                                                                                           SEQUENCE
                                                                                                                                                                                                                                                                                                                                                    CHAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                     GO; GO:0005911;
GO; GO:0006954;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               MIK;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EMBL; AY358896; AAQ
EMBL; BC001533; AAH
PIR; A59406; S56749
                                                                                                                                                                                                                                                      DISULFID
                                                                                                                                                                                                                                                                                                                                                                 SIGNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            between
                                                                                                                                                                                                                                                                                          DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                               Pfam; PF00047; ig;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          This Swiss-Prot
                                                                                                                                                                                                                                                                                                                                                                                                   PROSITE; PS50835;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HGNC; HGNC:14685; F11R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          removed
                                                                                                                                                                                                                                                                                                                                                                            mmunoglobulin
                                                                                                                                                                                                                                                                                                                                                                                         3D-structure; Direct
                                                                                                                                                                                                                                                                                                                                                                                                                           [nterPro;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            recruits PARD3. The association of the PARD6-PARD3 complex may prevent the interaction of PARD3 with JAM1, thereby preventing tight junction assembly (By similarity). Plays a role in regulating monocyte transmigration involved in integrity of epithelial barrier. Involved in platelet activation. SUBUNIT: Interacts with the first PDZ domain of PARD3. The association between PARD3 and PARD58 probably disrupts this interaction (By similarity). Interacts with the ninth PDZ domain.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       a.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 European
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PTM: N-Glycosylated.
SIMILARITY: Belongs
SIMILARITY: Contains
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      of MPDZ.
SUBCELLULAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                formation. Appears early in primordial forms of recruits PARD3. The association of the PARD6-PAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1NBQ; X-ray; A/B=27-233
mbl; ENSG00000158769; Hor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Localized
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AF172398;
AL136649;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AF111713;
AF207907;
181
                     181
                                              121
                                                                      121
                                                                                                                                                                                           299;
                                                                                             61
                                                                                                                   61
                                                                                                                                                                   μ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      long as its content
                                                                                                                                                                                                        Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ss-Prot entry is copyright. It is produced through a collabouthe Swiss Institute of Bioinformatics and the EMBL outstapean Bioinformatics Institute. There are no restrictions cong as its content is in no way modified and this statement
                                                                                                                                                         MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
            RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
                                              EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST
                                                             EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST
                                                                                             EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                     EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                                           MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
                                                                                                                                                                                                                                                                                                                                                                                                                           IPR007110;
                                                                                                                                                                                                                                          28
239
260
280
135
135
185
185
299
                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAD42050.1; -;

AAF22829.1; -;

AAD48877.1; -;

CAB66584.1; -;

AAQ89255.1; -;

AAH01533.1; -;
                                                                                                                                                                                                                                                                                                                                                                             domain;
                                                                                                                                                                                                                                                                                                                                                                                                                                       C:intercellular P:inflammatory r
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Belongs to
Contains 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LOCATION: Type I
                                                                                                                                                                                                                                                                2399
2399
2399
2399
2399
2399
2399
                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                                                                       protein
                                                                                                                                                                                                                                                                                                                                                                                                   LIKE; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                          Ig-like
                                                                                                                                                                                                                                                                                                                                                                             Repeat;
                                                                                                                                                                                                                                           ¥.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           the immunoglobulin superfamily. Ig-like V-type (immunoglobulin-like)
                                                                                                                                                                                           0,
                                                                                                                                                                                                                                                                           Extracellular (Potential).
Potential.
Cytoplasmic (Potential).
Ig-like V-type 1.
Ig-like V-type 2.
N-linked (GlCNAC. . .) (Potential).
                                                                                                                                                                                                                                                                                                                                                                            sequencing; Glycoprotein;
;; Signal; Tight junction;
                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                        Potential.
                                                                                                                                                                                                                                                                  Potentia.
                                                                                                                                                                                                                                                                                                                                                    Junctional adhesion molecule
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           mRNA.
mRNA.
mRNA.
mRNA.
mRNA.
mRNA.
                                                                                                                                                                                                                                           D95DE2FEA23D2851 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                       response; TAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            membrane
                                                                                                                                                                                            Mismatches
                                                                                                                                                                                                   1544; DB 1;
No. 1.8e-111;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           e protein (Potential).
epithelial and endothelial
                                                                                                                                                                                                                                                                                                                                                                            junction; Transmembrane.
                                                                                                                                                                                           0:
                                                                                                                                                                                            Indels
                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cell junctions
                                                                                                                                                                                                                    299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          a collaboration
                                                                                                                                                                                           o,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               outstation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   domain
                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        18
                                               180
                                                                       180
                                                                                              120
                                                                                                                      120
                                                                                                                                              60
                                                                                                                                                                                              0
```

S

241

AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV

299

```
RESULT OF COLUMN AND SERVICE S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   밁
                       Submitted (MAY-2005) to the EMBL, RMBL; CR533512; CAG38543.1; -; mi EMBL; AF191495; AAG2879.1; -; mi EMBL; AF490407; AAO84556.1; -; GEMBL; BT020103; AAV38906.1; -; mi EMBL; AK951806; CA115365.1; -; cill EMBL; AK075152; BAC11436.1; -; mi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Q6FIB4
                                                                                                                                                                                                                                                                                                  Phelan M., Farmer "Cloning of human vector.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length Human cDNAs Encoding Capped cDNA Libraries."; DNA Res. 12:117-126(2005).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Otsuki T., Ota T., Nishikawa T., Hayashi K., Suzuki Y., Yamamoto J. Wakamatsu A., Kimura K., Sakamoto K., Hatano N., Kawai Y., Ishii S. Saito K., Kojima S., Sugiyama T., Ono T., Okano K., Yoshikawa Y., Saotsuka S., Sasaki N., Hattori A., Okumura K., Nagai K., Sugano S.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUCLEOTIDE SEQUENCE.
MEDLINE=22701983; PubMed-
Wenzel K., Felix S.B., Fl
Grunewald I., Pankow H.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDLINE=20537956; PubMed=11087121; DOI=10.1080/15216540050176593; Gupta S.K., Pillarisetti K., Ohlstein E.H.; "Plattelet agonist F11 receptor is a member of the immunoglobulin superfamily and identical with junctional adhesion molecule (JAM): regulation of expression in human endothelial cells and macrophages."; IUBMB Life 50:51-56(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUCLEOTIDE SEQUENCE.
Ebert L., Schick M.,
Submitted (JUN-2004)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
Filk protein (Fil receptor protein) (JAMI) (Hypothetical
                                                                                                                                                                                                                                                      Submitted [6]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  preferentially expressed in se
Biol. Chem. 384:763-775(2003).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens (Human)
Eukaryota; Metazoa;
                                                                                                                                                                                                                                                                                                                                                                     Kalnine N., Chen X., Rolfs
Koundinya M., Raphael J., M
                                                                                                                                                                                                                                                                                                                                                                                                                       NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TISSUE=Placenta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NCBI_TaxID=9606
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Name=F11R; ORFNames=RP11-544M22.2-001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FLJ90671).
                                                                                                                                                                                                     Harrison E
                                                                                                                                                                                                                                 NUCLEOTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Identification and characterization of KAT, a novel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HUMAN
     Q6FIB4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HUMAN PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence and Keyword Trap in silico for Selection of Full-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV
                                                                                                                                                                                                                                                                             (OCT-2004)
                                                                                                                                                                                                                            SEQUENCE
                                                                                                                                                                                                                                                                                                                       A.;
full-length CDSs in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PubMed=12817473; DOI=10.1515/BC.2003.085;
3.B., Flachmeier C., Heere P., Schulze W.,
cow H., Hewelt A., Scherneck S., Bauer D.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Euarchontoglires;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Chordata; Craniata;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Newbert P., Schatten R., to the EMBL/GenBank/DDBJ
                                                                                                                                                                                                                                                                             ទ
                                                                                                                                                                                                                                                                             the
                                                                                                                                                                                                                                                                                                                                                                           B A., Halleck A.,
Moreira D., Kell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Secretion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          several
                                                                                                                                                                           EMBL/GenBank/DDBJ
                                                                                                                                                                                                                                                                             EMBL/GenBank/DDBJ
                                                                                        Genomic_DNA.
                                                                                                                                                 mRNA.
                            Genomic_DNA mRNA.
                                                                           mRNA.
                                                                                                                            mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRT;
                                                                                                                                                                                                                                                                                                                                                                     .
U
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          human cancer
                                                                                                                                                                                                                                                                                                                                                                        k A., Hines I
Kelley T., J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                a; Vertebrata; Euteleostomi;
Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                            BD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ę
R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       299
                                                                                                                                                                                                                                                                                                                            Creator (TM)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Membrane Proteins from Oligo-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Henze S.,
databases
                                                                                                                                                                           databases
                                                                                                                                                                                                                                                                             databases
                                                                                                                                                                                                                                                                                                                                                                                                  ۲.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cell lines.";
                                                                                                                                                                                                                                                                                                                                                                           LaBaer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      s:
                                                                                                                                                                                                                                                                                                                                                                           Eisenstein
aer J., Lin
                                                                                                                                                                                                                                                                                                                            System
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Korn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   S:,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 299
```

```
S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             á
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            S
                                                                                                                                                                                                                                                                                                                                                                                                                                           밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best
Matches 257;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                        - I - SUBCELLULAR LOCATION: Type I membra
- I - SUBCELLULAR LOCATION: Type I membra
EMBL; AF154005; AAD43794.1; -; mRNA.
HSSP; Q9Y624; 1NBQ.
SMR; Q9Y5B2; 20-193.
Ensembl; ENSG00000158769; Homo sapiens.
InterPro; IPR007110; Ig-1ike.
InterPro; IPR005198; Ig-2.
Pfam; PF00047; ig-2.
SMART; SM00408; IGC2; 1.
SMART; SM00408; IGC2; 1.
Encostre; PS50835; IG LIKE; 1.
Encostre; PS50835; IG LIKE; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           InterPro; IPR003599; Ig.
InterPro; IPR007110; Ig-like.
InterPro; IPR007110; Ig-c2.
InterPro; IPR003598; Ig-v.
InterPro; IPR003596; Ig-v.
Pfam; PF00047; Ig; 1.
SMART; SM00409; IG; 2.
SMART; SM00408; IGc2; 2.
SMART; SM00408; IGv; 1.
                                                                                                                                                                                                                                                                                                     01-NOV-1999 (TrEMBLrel. 12, 01-NOV-1999 (TrEMBLrel. 12, 01-OCT-2003 (TrEMBLrel. 25, Junction adhesion molecule. Homo sapiens (Human).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Receptor.
SEQUENCE
                                                                                                                                                                                           Liu Y., Nusrat A., Schnell F.J., Walsh S., Reaves T.A., Foley C., Parkos C.A.; Submitted (MAY-1999) to the EMBL/GenBank/DDBJ databases.
                                                SEQUENCE
                                                                                                                                                                                                                                                                              Eukaryota, Metazoa;
Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                     Q9Y5B2_HUMAN
Q9Y5B2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PROSITE; PS50835; IG_LIKE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ensembl; ENSG00000158769; Homo sapiens. GO; GO:0004872; F:receptor activity; IEA
                                                                                                                                                                                                                                  NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                      NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                             HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ۳
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                -
             Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MGTKAQVERKILCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSBQDGSPPSEYTWFKDGIVMPTNPKST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                                                                                                                                                                                                                                                                                                                                           AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV
                                                259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        299 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; illarity 100.0%; Conservative 0,
                                                                                                                                                                                                                                                                                                                                                     (TrEMBLrel.
                                                                                                                                                                                                                                                                                                                                                                                PRELIMINARY;
                                                A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            YVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
                                                                                                                                                                                                                    Schnell F.J., Walsh
                                                28122 MW;
                                                                                                                                                                                                                                                                                Euarchontoglires; Primates; Catarrhini;
                                                                                                                                                                                                                                                                                            Chordata;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        32583 MW;
           83.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                N
                                                                                                                                                                                                                                                                                                                               Last sequence update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0
                                                                                                                                                                                                                                                                                                                                                       Created)
            Score 1281;
Pred. No. 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 1544; DB:
Pred. No. 1.8e-11; Mismatches (
                                                                                                                                                                                                                                                                                            Craniata; Vertebrata; Euteleostomi;
                                                FE38521A911582D0
                                                                                                                                  sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        D95DE2FEA23D2851 CRC64;
                                                                                                                                                                                  membrane
                                                                                                                                                                                                                                                                                                                                                                                259
                                                                                                                                                                                                                    s:
           8e-91;
                         BB
                                                                                                                                                                                 protein
                                                                                                                                                                                                                                                                                                                                                                                ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 2;
                                                                                                                                                                                                                     Reaves
                                                                                                                                                                                                                                                                                                                                update)
                        2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0;
                                                CRC64;
                        Length
                                                                                                                                                                                  (By
                                                                                                                                                                                                                    T.A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
 Indels
                                                                                                                                                                                   similarity)
                         259;
                                                                                                                                                                                                                     Pochet
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                299;
                                                                                                                                                                                                                                                                                 Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0
```

Conservative

0; Mismatches

40;

Gaps

2

밁

```
JAM1_BOVIN

ID JAM1_B
AC 09XT50
DT 16-OCT
DT 16-OCT
DT 13-SEP
DE molecu
GN Name=F
OS Bos ta
OC Eukary
OC Mammal
OC Pecora
OX NCELIN
RA OZaki
RT of jun
RA Iwamat
CC -i- SI
CC -i
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              중 유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           밁
                                                                                                                                                                                                                                                                                                                                                                                                                               "Combined treatment of TNF-alpha and IFN-gamma causes redistribution of junctional adhesion molecule in human endothelial cells.";

LJ. Immunol. 163:533-557(1999).

LJ. Immunol. 163:533-557(1999).

LJ. Immunol. 163:533-557(1999).

CJ. FUNCTION: Seems to plays a role in epithelial tight junction of cell formation. Appears early in primordial forms of cell junctions and recruite PARD3. The association of the PARD6-PARD3 complex may compressed to play a role in regulating monocyte transmigration involved in integrity of epithelial barrier. Involved in platelet activation.

CJ. SUBUNIT: Interacts with the first PDZ domain of PARD3. The association between PARD3 and PARD6B probably disrupts this interaction. Interacts with the ninth PDZ domain of MPDZ (By sinteraction.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUCLEOTIDE SEQUENCE.
MEDLINE=99323940; PubMe
Ozaki H., Ishii K., Hoo
Iwamatsu A., Kita T.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      JAM1 BOVIN
Q9XT56;
16-OCT-2001
16-OCT-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16-OCT-2001 (Rel. 40, Last se
13-SEP-2005 (Rel. 48, Last ar
Junctional adhesion molecule
molecule 1) (JAM).
Name=F11R; Synonyms=JAM1;
                                                                                                                                               This Swiss-Prot entry is copyright. It between the Swiss Institute of Bioinfo the European Bioinformatics Institute. use as long as its content is in no way
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Bos taurus (Bovine).
Eukaryota; Metazoa; Chordata;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pecora; Bovidae; Bovinae; Bos.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mammalia; Eutheria; Laurasiatheria;
                                                                                                                                                                                                                                                                                          Localized at tight ju
cells (By similarity)
SIMILARITY: Belongs t
SIMILARITY: Contains
                                                                                                                                                                                                                                                                                                                                                         SUBCELLULAR LOCATION: Type I membrane protein (Potential).
Localized at tight junctions of both epithelial and endothelial
                         ; Q9Y624; 1NBQ.
Q9XT56; 24-232
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             121
                                                                         AF111714; AAD42051.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   μ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MGTKAQVERKILCLFILAIILCSLALGSVTVHSSEDEVRIDENNPVKLSCAYSGFSSBRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ----AASYEDRVTFLPTGITFKS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MGTKAQVERKLLCLFILAIL----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (Rel.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STANDARD;
                                                                                                                                                                                                                                                                                            Belongs to
Contains 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                40,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PubMed=10395639;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Horiuchi H.,
  Ig-like
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 sequence update)
annotation update)
le A precursor (JAM)
                                                                                                                                                                                                                                                                                                                     the immunoglobulin
                                                                                                                                                                                                                                                                                          Ig-like
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Craniata; Vertebrata; |
heria; Cetartiodactyla;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRT;
                                                                              m.R.N.A
                                                                                                                                                                                     ght. It is produced through Bioinformatics and the EM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Arai H.,
                                                                                                                                                  no way
                                                                                                                                                                                                                                                                                            V-type
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               298
                                                                                                                                                  There are modified a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (JAM-A)
                                                                                                                                                                                                                                                                                            ulin superfamily. (immunoglobulin-like)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kawamoto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           -----PENNPVKLSCAYSGFSSPR-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                VTREDTGTYTCMVFEEGGNSYG
                                                                                                                                                  and this
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (Junctional
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .
H.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Euteleostomi, 
; Ruminantia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Okawa
                                                                                                                                                                                                 EMBL
                                                                                                                                                    statement
                                                                                                                                                                                                                        a collaboration
                                                                                                                                                                                                 outstation
                                                                                                                                                                           9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           and
                                                                                                                                                    18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          60
```

```
RESULT Q559VB ID 9VB ID 9VB ID 9VB ID 100 DT 110 DT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ક
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFT FITTERS OF STATE OF STATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CARBOHYD
DISULFID
DISULFID
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPO DOM
TRANSMEM
TOPO DOM
DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pfam; PF00047; ig;
SMART; SM00408; IC
PROSITE; PS50835;
                                                                                                                                                                                                                             MEDLINE=21180013; PubMed=11282978; DOI=10.1101/gr.170101; Smith T.P.L., Grosse W.M., Freking B.A., Robberts A.J., St Casas E., Wray J.E., White J., Cho J., Fahrenkrug S.C., B Heaton M.P., Laegreid W.W., Rohrer G.A., Chitko-McKown C. Pertea G., Holt I., Karamycheva S., Liang F., Quackenbush
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae; Bovinae; Bos.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10-MAY-2005 (TrEMBLrel.
10-MAY-2005 (TrEMBLrel.
10-MAY-2005 (TrEMBLrel.
F11 receptor isoform a.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Q5E9V8 BOVIN PRELIMINARY;
Q5E9V8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SIGNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Glycoprotein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CHAIN
                             NUCLEOTIDE SEQUENCE TISSUE=Pooled;
                                                                                                                                                                                                                                                                                                                                                                               TISSUE-Pool
                                                                                                                                                                                                                                                                                                                                                                                                                                                                NCBI_TaxID=9913;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bos taurus (Bovine).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Name=F11R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             InterPro; IPR003598;
                                                                                                                 "Sequence evaluation of four poolibraries and construction of a Genome Res. 11:626-630(2001).
                                                                                                                                                                                                     Keele J.W.;
                                                                                                                                                                                                                                                                                                                                                                                                             NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BOVIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  223;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PF00047; ig; 1.
SM00408; IGC2; 1.
E; PS50835; IG_LIKE; 2.
rotein; Immunoglobulin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EWKFTHGDIRGLVCYNNKITASYENRVTFSDTGITFHSVTRKDTGMYTCMVSDEGGNTYG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAVFVTLILLGALIFGIWFAYSRGYFDRAKKGTSNKKVIYSQPNARSDGEFRQTSSFLV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MGTKAKVGSTELLLF-TSMILCSLALGRGAVQTYEPVVRVPENNPAKLSCSYSGFSSPRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             49
152
298
                                                                                                                                                                                                                                                                                                                                                                                     ed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
     Sonstegard
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24
298
237
258
258
298
124
124
108
108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            76.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   32456
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ig_c2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     30,
30,
  T.S.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ¥
,;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               33;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Created)
Last sequence update)
Last annotation updat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Potential.
Junctional adh
                                                                                                                                                  pooled-tissue
f a gene index
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 1176.5; DB 1; Length Pred. No. 5.6e-83;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Potential.
(Stoplasmic (Potential).
Ig-like V-type 1.
Ig-like V-type 2.
N-linked (GlCNAc. . .) (Potential).
Potential.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  domain; Repeat;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Potential.
        Clawson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      714FE1C1714769A2 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                            gene
     3
.
.
.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            298
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              adhesion
                                                                                                                                                                                                                                                                Roberts A.J., Stone ahrenkrug S.C., Benne Chitko-McKown C.G.,
                                                                                                                                               normalized for cattle.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (Potential).
        Heaton
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Signal; Tight junction;
                                                                                                                                                                                                                                      Quackenbush
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              molecule
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
        3
.
.
.
.
                                                                                                                                                     bovine .";
                                                                                                                                                                                                                                                                   Bennett
C.G.,
           Keele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             298;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1,
                                                                                                                                                                                                                                                                                              R.T.,
        J.W.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               60
```

```
S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           뭐
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 श्
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SABERRA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local
Matches 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   JAM1 RAT STANDARI
Q9JHY1;
13-SEP-2005 (Rel. 48, 1
13-SEP-2005 (Rel. 48, 1
13-SEP-2005 (Rel. 48, 1
                                                               Submitted (JAN-2004) to the EMBL/GenBank/DDBJ databases.

-I- FUNCTION: Seems to play a role in epithelial tight junction formation. Appears early in primordial forms of cell junctions recruits PARD3. The association of the PARD6-PARD3 complex may prevent the interaction of PARD3 with JAM1, thereby preventing tight junction assembly. Plays a role in regulating monocyte transmigration involved in integrity of epithelial barrier.

Involved in platelet activation (By similarity).

-I- SUBNUT: Interacts with the first PDZ domain of PARD3. The association between PARD3 and PARD6B probably disrupts this interaction. Interacts with the ninth PDZ domain of MPDZ (By
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Sequencing clones."; Submitted (F
                                                                                                                                                                                                                                                                                          STRAIN=Sprague-Dawley;
Mashima H., Kojima I.;
Submitted (JUN-2000) to
                                                                                                                                                                                                                                                                                                                                                                               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eut
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
Muroldea; Muridae; Murinae; Rattus.
                                                                                                                                                                                                                                                                                                                                                              NCBI_TaxID=10116;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Junctional adhesion molecule A precursor (JAM-A) (Junctional adhesion molecule 1) (JAM).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Snelling
                                                                                                                                                                                                                                                TISSUE=Prostate;
                                                                                                                                                                                                                                                                                                                                                                                                                             Rattus norvegicus (Rat).
                                                                                                                                                                                                                                                                                                                                                                                                                                         Name=F11r; Synonyms=Jam1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Submitted (FEB-2005) to the EMBL/Gen EMBL; BT020812; AAX08829.1; -; mRNA.
                                                                                                                                                                                                                                                               NUCLEOTIDE SEQUENCE (LARGE SCALE MRNA).
                                                                                                                                                                                                                                                                                                                                      NUCLEOTIDE SEQUENCE [MRNA]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Match

    Mammalian Gene Collection (MGC) project;

                                       interaction. Interacts with t similarity).
SUBCELLULAR LOCATION: Type I
             Localized at tight jucells (By similarity)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    223;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                W.M., Weidmann R.T., Smith T.P.L.; ing and analysis of Bos taurus full-length insert
N-Glycosylated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MGTKAKVGSTELLLF-TSMILCSLALGRGAVQTYEPVVRVPENNPAKLSCSYSGFSSPRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EVTVQLIVLVPPSKPTINVPSSVTIGTRAVLTCSERDGSPPSEYKWFKDGVEMPLEPKSN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EWKFTHGDIRGLVCYNNKITASYENRVTFSDTGITFHSVTRKDTGMYTCMVSDEGGNTYG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             YTLNQKTGELIPDPVSASDTGDFTCQAQNGYASPVKSDTVHMDAVELNVGGIV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            32456 MW;
                                                                                                                                                                                                                                                                                          to the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                76.2%;
74.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Created)
                            junctions
(By similarity)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  33;
                                                                                                                                                                                                                                                                                          EMBL/GenBank/DDBJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 1176.5;
Pred. No. 5.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          714FE1C1714769A2 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                           membrane
of both e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ₽
                           epithelial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6e-83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  42; Indels
                                                                                                                                                                                                                                                                                            databases
                            (Potential)
al and endot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                              Euteleostomi;
tia; Sciurognathi;
                            endothelial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ۲,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                       and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      298
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          59
```

```
RESULT
QBVC39
ID QB
AC QB
AC QB
DT 01
DT 113
DE F1
DE en
                                                                                                                                                                                                                                                                                                       F
                                                                                                                                                                                                                                                                                                                                S
                                                                                                                                                                                                                                                                                                                                                                              밁
                                                                                                                                                                                                                                                                                                                                                                                                             ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                            문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               JY MOUSE

J9 MOUSE

QBVC39_MOUSE PRELIMINAK:,

QBVC39;

Q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CARBOHYD
DISULFID
DISULFID
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPO DOM
TRANSMEM
TOPO DOM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           InterPro; IPR007110;
InterPro; IPR003596;
Pfam; PF00047; ig; 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EMBL; AF276998; AAF78250.1; -;
EMBL; BC065309; AAH65309.1; -;
HSSP; O88792; 1F97.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            between the Swiss Institute of Bioinformatics and the EMBL outstathe European Bioinformatics Institute. There are no restrictions of the European Bioinformatics in no way modified and this statement
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This Swiss-Prot entry is copyright. It is produced through a c
between the Swiss Institute of Bioinformatics and the EMBL
the European Bioinformatics Institute. There are no restrict
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CHAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Transmembrane.
SIGNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PROSITE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RGD; 621842; Fllr.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SMR; Q9JHY1; 27-238.
Ensembl; ENSRNOG00000004414; Rattus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              removed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            - SIMILARITY:
- SIMILARITY:
domains.
                                                                                                                                                                                                                                                                                                                                                                                240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  121
                                                                                                                                                                                                                                                                                                       300
                                                                                                                                                                                                                                                                                                                                            299
                                                                                                                                                                                                                                                                                                                                                                                                                       240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                216;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SM00406;
                                                                                                                                                                                                                                                                                                                                                                              <
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PS50835;
                                                                                                                                                                                                                                                                                                       V 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                TRAFINSSYTIDPKSGDLVFDPVSAFDSGEYYCEAQNGYGTAMRSEAVRMEAVELNVGGI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TRAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPT-NPKS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EWKFYQGSTTALVCYNNQITVFYADRVTFSSSGITFSSVTRKDNGEYTCMVSEDGGQNYG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MGTEGKAGSKLLFLF-TSMILGSLVQGKGSVYSPQTAVQVPENDSVKLPCIYSGFSSPRV
                                                                                                                                                                                                                                                                                                                                            299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             835; IG_LIKE; 2.
Immunoglobulin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ₽,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IGV;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Belongs to the immunoglobulin superfamily. Contains 2 Ig-like V-type (immunoglobulin-like)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     26
300
238
259
300
122
122
185
108
108
212
32370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1.
1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ig-like.
Ig_v.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  71.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             X.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  33;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Potential.
Cytoplasmic (Potential).
Ig-like V-type 1.
Ig-like V-type 2.
N-linked (GlCNAc. . . ) (Potential)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 1096.5; D
Pred. No. 9e-77;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ву
Ув
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   domain; Repeat; Signal; Tight junction;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Junctional adhesion molecu
Extracellular (Potential).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Potential
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               45AE362A96158BFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  similarity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          norvegicus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 1; Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    49;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .) (Potential).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            molecule
                                                                                                     RIKEN full-length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ω
•
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       collaboration
L outstation -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 outstation -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    179
                                                                                                                                                                                                                                                                                                                                                                                     299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 not
```

```
TISSUE-Manmary tumor. WAP-TGF alpha model. 7 months old;

RC TISSUE-Manmary tumor. WAP-TGF alpha model. 7 months old;

RX MEDLINE-22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;

RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,

RA Klausner R.D., Collins F.S., Wagner L., Schaefer C.F., Bhat N.K.,

RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

RA Brownstein M.J., WcEwan R.J., Malek J.A., Gunaratne P.H.,

RA Raha S.A., NcEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

RA Whiling M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,

RA Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,

"Generation and initial analysis of more than 15,000 full-length human

"Generation and initial analysis of more than 15,000 full-length human
MEDLINE=2108566; PhbMede=11217851; DOT=10.1038/35055500;

X Kawai J., Shinagawa A., Shibata K., Yoshino M., Itoh M., Ishii Y.,

X Kawai J., Shinagawa A., Shibata K., Konno H., Adachi J., Fukuda S.,

X Arakawa T., Hara A., Fukunishi Y., Konno H., Kondo S., Yamanaka I.,

X Aizawa K., Izawa M., Nishi K., Kiyosawa H., Kondo S., Yamanaka I.,

X Asito T., Okazaki Y., Gojobori T., Bono H., Kasukawa T., Saito R.,

X Kadota K., Matsuda H.A., Sahburnar M., Batalov S., Casavant T.,

X Asito T., Okazaki Y., Gojobori T., Bono H., Kasukawa T., Saito R.,

X Asito T., Okazaki Y., Gojobori T., Bono H., Kasukawa T., Saito R.,

X Asito T., Okazaki Y., Gojobori T., Bono H., Kasukawa T., Washio T.,

X Asito T., Okazaki Y., Staubii P., Suzuki R., Tomita M., Wagner L., Washio T.,

X Schriml L.M., Staubii P., Suzuki R., Tomita M., Wagner L., Washio T.,

X Askai K., Okido T., Frunno M., Aono H., Baldarelli R., Barsh G.,

X Askai K., Okido T., Frunno M., Aono H., Baldarelli R., Barsh G.,

X Askai K., Okido T., Fletcher C., Fujita M., Gariboldi M.,

X Askai K., Okido T., Fletcher C., Fujita M., Gariboldi M.,

X Askai K., Okido T., Fletcher C., Fujita M., Gariboldi M.,

X Autons P., Marchionni L., Mashima J., Mazzarelli J., Mombaerts P.,

X Autons P., Marchionni L., Mashima J., Mazzarelli J., Mombaerts P.,

X Autons P., Marchionni L., Mashima J., Mazzarelli J., Sakamoto N.,

X Assaki H., Toyo-oka K., Wang K.H., Weitz C., Whittaker C., Wilming L.,

X Mynshaw-Boris A., Yoshida K., Hasegawa Y., Kawaji H., Kohtsuki S.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota, Metazoa; Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Euarchontoglires; Glires, Rodentia, Sciurognal Muroidea, Muridae, Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Carninci P., Hayashizaki Y.;
"High-efficiency full-length cDNA cloning.";
Meth. Enzymol. 303:19-44(1999).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRAIN=C57BL/6J; TISSUE=Cecum;
MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Strausberg R.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRAIN=Mix FVB/N;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRAIN=Mix FVB/N;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Cloning
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mollenhauer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TISSUE=Mammary tumor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  mouse cDNA sequences.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Natl. Acad.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ng of mouse (pDONR201).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Muenstermann E
er J., Wiemann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (JAN-2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           full insert sequence)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TISSUE=Cecum;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sci.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           full open
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ç
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WAP-TGF alpha model. 7 months old
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       n S., 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Schatten R.,
Schick M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           reading
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               frames
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Korn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Henze
Korn B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               s.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gateway(R) system
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Bohn E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sciurognathi;
                              a K.-F.,
```

```
Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                               Adachi J., Alzawa K., Akimura T., Arakawa T., Bono H., Carninci P. Fukuda S., Furuno M., Hanagaki T., Hara A., Hashizume W., Hayashida K., Hayatsu N., Hiramoto K., Hiraoka T., Hirozane T., Hayashida K., Inchii Y., Itch M., Kagawa I., Kasukawa T., Katoh H., Kawai J., Kojima Y., Kondo S., Konno H., Kouda M., Koya Kurihara C., Matsuyama T., Miyazaki A., Murata M., Nakamura M., Nishi K., Nomura K., Numazaki R., Ohno M., Ohsato N., Okazaki Y., Saito R., Saitoh H., Sakai C., Sakai K., Sakazume N., Sano H., Sasito R., Saitoh H., Sakai C., Sakai K., Sakazume N., Sano H., Sasaki D., Shibata K., Shinagawa A., Shiraki T., Sogabe Y., Tagami Tagawa A., Takakashi F., Takaku-Akahira S., Takeda Y., Tanaka T., Tomaru A., Toya T., Yasunishi A., Muramatsu M., Hayashizaki Y.; Submitted (JUI-2001) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRAIN=C57BL/6J; TISSUE=Cecum;
MEDLINE=20530913; PubMed=1107686; DOI=10.1101/gr.152600;
MEDLINE=20530913; PubMed=1107686; DOI=10.1101/gr.152600;
Shibata K., Itch M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,
Konno H., Akiyama J., Nishi K., Kitsunai T., Tashiro H., Itch M.,
Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A.,
Yamamoto R., Matsumoto H., Sakapuzama M., Nishine T., Kashiwagi K.,
Pujiwake S., Inoue K., Togawa Y., Izawa M., Ohara E., Watahiki M.,
Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J.,
Yokazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.,
"RIKEN integrated sequence analysis (RISA) system-384-format
sequencing pipeline with 384 multicapillary sequencer.";
Genome Res. 10:1757-1771(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               prepare
Genome I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Nature
[7]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The FANTOM Consortium,
the RIKEN Genome Exploration Research Group Phase I & II Team;
"Analysis of the mouse transcriptome based on functional annotation
60,770 full-length cDNAs.";
                                                                                                           Pfam; PF00047; ig; 1.
SMART; SM00406; IGV;
                                                                                                                                                                                                                                                                           HSSP; 088792; 1F97.
SMR; Q8VC39; 27-238.
Ensembl; ENSMUSG00000038235; Mus musculus
                                                                                                                                                                                                                                                                                                                                   EMBL; BC021876; AAH21876.1; -; mRNA.
EMBL; CT010347; CAJ18555.1; -; mRNA.
EMBL; AK033574; BAC28369.1; -; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shiba
Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
"Normalization and subtraction of cap-trapper-selected
prepare full-length cDNA libraries for rapid discovery
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRAIN=C57BL/6J; TISSUE=Cecum; MEDLINE=20499374; PubMed=11042159;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Nature
[6]
                                                         SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STRAIN=C57BL/6J; TISSUE=Cecum;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUCLEOTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUCLEOTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUCLEOTIDE SEQUENCE
                                                                                                                                                   InterPro;
                                                                                                                                                                    InterPro; IPR007110;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Functional
                                                                                                                                           , MGI:1321398; F11r.
GO:0005923; C:tight junction; IDA.
GO:0005515; F:protein binding; IPI.
GO:0007155; P:cell adhesion; IDA.
GO:0030855; P:epithelial cell differentiation; IDA.
erPro; IPR007110; Ig-like.
erPro; IPR007596; Ig_v.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ional annotation of a 409:685-690(2001).
                                                                          lobulin
                                                                                           PS50835; IG_LIKE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE
                                                       300 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10:1617-1630(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TISSUE=Cecum;
 69.9%;
                                                       32424 MW;
                                                                                           N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                full-length mouse cDNA collection.";
 Score 1079.5;
Pred. No. 1.96
                                                         3CE561E8FF3B97EC CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DOI=10.1101/gr.145100;
 5; DB 2;
                   Length 300;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Shibata K.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                of nev
                                                                                                                                                                                                                                                                                                                                                                                                                             e Y., Tagami
Tanaka T.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    new
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                w genes.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Itoh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .
.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3
```

Ś

Matches

Similarity

Conservative

44;

Mismatches

48;

Indels

u ,

Gaps

```
16-OCT-2001
16-OCT-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  JAM1 MO
088792;
                                                                                                                                                                                                            INTERACTION WITH PARD3.

MEDLINE=21340266; PubMed=11447115; DOI=10.1093/emboj/20.14.3738; Ebnet K., Suzuki A., Horikoshi Y., Hirose T., Suzuki A., Horikoshi Y., Hirose T., Meyer zu Brickwedde M.-K., Ohno S., Vestweber D.; "The cell polarity protein ASIP/PAR-3 directly associates with junctional adhesion molecule (JAM)."; EMBO J. 20:3738-3748(2001).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDILINE-98327120; PubMed=9660867; DOI=10.1083/jcb.142.1.117; MEDILINE-98327120; PubMed=9660867; DOI=10.1083/jcb.142.1.117; Martin-Padura I., Lostaglio S., Schneemann M., Williams L., Romano Pancalla P., Panzeri C., Stoppacciaro A., Ruco L., Villa A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Name=F11r; Synonyms=Jam1, Jcam, Jcam1;
Mus musculus (Mouse).
Bukaryota; Metazoa; Chordata; Craniata;
Mammalla; Butheria; Euarchontoglires; Gl
Marcidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16-OCT-2001 (Rel. 40, Last sequence update)
13-SEP-2005 (Rel. 48, Last annotation updat
Junctional adhesion molecule A precursor (3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Martin-...
Pruscella P., Pan...
Pruscella P., Pan...
Programa E.;
Program m
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOUSE
"X-ray structure of junctional adhesion homophilic adhesion via a novel dimeriz: EMBO J. 20:4391-4398(2001).
                                                                                        X-RAY CRYSTALLOGRAPHY (2.5 ANGSTROMS) OF 212-238.
MEDLINE=21391702; PubMed=11500366; DOI=10.1093/emboj/20.16.4391;
Kostrewa D., Brockhaus M., D'Arcy A., Dale G.E., Nelboeck P.,
Kostrewa G., Mueller F., Bazzoni G., Dejana E., Bartfai T.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDLINE=20489356; PubMed=11036763;
Aurrand-Lions M.A., Duncan L., Du Pasquier L., Imho:
"Cloning of JAM-2 and JAM-3: an emerging junctional
family?";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SUBCELLULAR LOCATION.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 monocyte transmigration.";
J. Cell Biol. 142:117-127(1998).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Junctional adhesion molecule, a novel member of the immunoglobulin superfamily that distributes at intercellular junctions and modulate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         molecule 1) (JAM).
                                                                     Winkler F.K., Hennig M.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOUSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19
                                                                                                                                                                                                                                                                                                                                                                                                                         Top. Microbiol.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           μ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      V 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       <
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPT-NPKS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MGTEGKAGRKLLFLF-TSMILGSLVQGKGSVYTAQSDVQVPENESIKLTCTYSGFSSPRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             VAAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTS-SKKVIYSQPSARSEGEFKQTSSFL
|||||||||||||||||||||||||||||
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TRAFMNSSFTIDPKSGDLIFDPVTAFDSGEYYCQAQNGYGTAMRSEAAHMDAVELNVGGI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        VAAVLVTLILLGLLIFGVWFAYSRGYFERTKKGTAPGKKVIYSQPSTRSEGEFKQTSSFL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TRAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EVSIHLTVLVPPSKPTISVPSSVTIGNRAVLTCSEHDGSPPSEYSWFKDGISMLTADAKK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EWKFVQGSTTALVCYNSQITAPYADRVTFSSSGITFSSVTRKDNGEYTCMVSEEGGQNYG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Created)
                                                                                                                                                                                                                                                                                                                                                                                                                         Immunol.
                                                                                                                                                                                                                                                                                                                                                                                                                         251:91-98 (2000)
                            dimerization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         a; Vertebrata;
Glires; Rodeni
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          update)
                                                 molecule:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (JAM-A) (Junctional adhesion
                            motif.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      prata; Euteleostomi;
Rodentia; Sciurognathi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Imhof
                                              structural basis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                f B.A.;
adhesion molecular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   modulates
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ≅
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9
```

3D-structure; Tight junction SIGNAL

Glycoprotein; I n; Transmembrane

2. ; Immunoglobulin domain;

Repeat; Signal;

Junctional adl Extracellular Potential.

adhesion

(Potential).

P

STRAND
STRAND
STRAND
STRAND
STRAND
TURN
STRAND
TURN
STRAND
TURN
STRAND
HELIX
TURN
STRAND
HELIX
TURN
STRAND
HELIX
TURN
STRAND
HELIX

DISULFID DISULFID STRAND

185

CHAIN
TOPO DOM
TRANSMEM
TOPO DOM
DOMAIN
DOMAIN
CARBOHYD
CARBOHYD

Potential.
Cytoplasmic (Potential).
Ig-like V-type 1.
Ig-like V-type 2.
N-linked (GlcNAc. . .) (Potential).
N-linked (GlcNAc. . .) (Potential)

(Potential)

```
MGI; MGI:1321398; FIIr.
GO; GO:0005923; C:tight junction; IDA.
GO; GO:0005915; F:protein binding; IPI.
GO; GO:0007155; P:cell adhesion; IDA.
GO; GO:0007155; P:cell adhesion; IDA.
GO; GO:0030855; P:celthelial cell differentiation; ID,
InterPro; IPR007110; Ig-like.
InterPro; IPR003596; Ig_v.
Pfam; PF00047; Ig; 1.
SMART; SM00406; IGv; 1.
SMART; PS50835; IG_LIKE; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           [5]
REVIEW, AND NOMENCI
MEDLINE=22695901; F
Muller W.A.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EMBL; U89915; AAC32982.1; -; mRNA. PDB; 1F97; X-ray; A=27-238. Ensembl; ENSMUSG00000038235; Mus m
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   uge
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              between
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Trends Immunol. 24:327-334(2003)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Leukocyte-endothelial-cell interactions and the inflammatory response.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       removed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              interaction. SUBCELLULAR LOCATION: Type I membrane subcellular Locations of both \varepsilon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FUNCTION: Seems to plays a role in epithelial tight junction formation. Appears early in primordial forms of cell junctions recruits PARD3. The association of the PARD6-PARD3 complex may prevent the interaction of PARD3 with JAM1, thereby preventing tight junction assembly. Plays a role in regulating monocyte transmigration involved in integrity of epithelial barrier.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Involved in platelet activation.
SUBUNIT: Interacts with the ninth PDZ domain of MPDZ (By Simllarity). Interacts with the first PDZ domain of PARD3.
association between PARD3 and PARD6B probably disrupts thi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SIMILARITY: domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cells.
SIMILARITY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               European
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Swiss-Prot entry is copyright. It is produced through a collaboration een the Swiss Institute of Bioinformatics and the EMBL outstation - European Bioinformatics Institute. There are no restrictions on its
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  long
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AND NOMENCLATURE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  as its content is in no way modified and this statement
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Belongs to the immunoglobulin Contains 2 Ig-like V-type (imm
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PubMed=12810109; DOI=10.1016/S1471-4906(03)00117-0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mus musculus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein ()
epithelial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ulin superfamily.
(immunoglobulin-like)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                leukocyte
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (Potential).
al and endothelial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               transmigration
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 outstation -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     18
```

ঠ 용 ঠ Дb S 문 8 몽 ð

```
RESULT 9

OJJKD5_RAT PRELIMINARY; PRT; 173 AA.

AC QJKD5;
DT 01-OCT-2000 (TrEMBLrel. 15, Created)
DT 01-OCT-2000 (TrEMBLrel. 25, Last sequence update)
DT 01-OCT-2000 (TrEMBLrel. 25, Last sequence update)
DT 01-OCT-2003 (TREMBLRel. 25, Last sequence update)
DT 01-OCT-2003 (TREMBLRel. 25, Last sequence)
DE Junctional adhesion molecule (Fragment).

GN Name=F11r;
OS Rattus norvegicus (Rat).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; E

MAMMedia; Murinae; Rattus.
OC Muridae; Murinae; Rattus.
OC Muridae; Murinae; Rattus.
OX NCBI TAXID=10116;
RN NUCLEOTIDE SEQUENCE.
RA Kirsch T., Wellner M., Haller H., Lippoldt A.;
RL Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databas
EMBL; AF241261; AAF61729.1; -; mRNA.
DR SMR; O2JKD5; 1-111.
DR RGD; 621842; F11r.
                                                                                                                                                                                                                                                                                                       5
                                                                                                                                                                                                                                                                                                                                     В
                                                                                                                                                                                                                                                                                                                                                    ક
                                                                                                                                                                                                                                                                                                                                                                                                                                                 र्
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  S
                                                                                                                                                                                                                                                                                                                                                                            В
                                                                                                                                                                                                                                                                                                                                                                                                    ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            र्
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Sim
Matches 205;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRAND
STRAND
STRAND
TURN
STRAND
STRAND
STRAND
STRAND
STRAND
STRAND
STRAND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRAND
TURN
STRAND
STRAND
STRAND
TURN
                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurogna Muridae; Murinae; Rattus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRAND
TURN
STRAND
STRAND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRAND
                                                                                                                                                                                                                                                                                                                                     240
                                                                                                                                                                                                                                                                                         300
                                                                                                                                                                                                                                                                                                                                                                                   180
                                                                                                                                                                                                                                                                                                                                                                                                          180
                                                                                                                                                                                                                                                                                                                                                                                                                                 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                      121
                                                                                                                                                                                                                                                                                                                                                            240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                                                                                         Ý 300
                                                                                                                                                                                                                                                                                                                <
                                                                                                                                                                                                                                                                                                                                     VAAVLVTLILLGLLIFGVWFAYSRGYFETTKKGTAPGKKVIYSQPSTRSEGEFKQTSSFL
                                                                                                                                                                                                                                                                                                                                                EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWPKDGIVMPT-NPKS
                                                                                                                                                                                                                                                                                                                                                                                  TRAFMNSSFTIDFKSGDLIFDFVTAFDSGEYYCQAQNGYGTAMRSEAAHMDAVELNVGGI
                                                                                                                                                                                                                                                                                                                                                                                                                                EVSIHLTVLVPPSKPTISVPSSVTIGNRAVLTCSEHDGSPPSEYSWFKDGISMLTADAKK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MGTEGKAGRKLLFLF-TSMILGSLVQGKGSVYTAQSDVQVPENESIKLTCTYSGFSSPRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
                                                                                                                                                                                                                                                                                                                                                                                                         TRAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EWKFVQGST
                                                                                                                                                                                                                                                                                                                299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         158
162
162
170
173
181
188
192
197
204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    112
114
129
137
143
145
153
153
167
169
169
190
190
199
199
206
206
223
223
232
32369
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TALVCYNSQITAPYADRVTFSSSGITFSSVTRKDNGEYTCMVS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   69.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ₩;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; Score 1073.5; DB
; Pred. No. 5.5e-75;
44; Mismatches 49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        391F3E48FF3B97EC CRC64;
                                                                                                                                                                               update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         49;
                                                   databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                       Sciurognathi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                300;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        u
•
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EEGGONYG
                                                                                                                                                                                                                                                                                                                                                                                   239
                                                                                                                                                                                                                                                                                                                                                                                                         239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     120
                                                                                                                                                                                                                                                                                                                                                            298
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            59
```

```
RESULT QRESULT QREVITO QREVITO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              δ
                                                                                                                                                                                                                                                                                                                                                                      RX MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RX MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Beuerow K.H., Schaefer C.F., Bhat N.K.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Brownstein M.J., WcEwanan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Rahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Rahesley R.W., Touchman J.W., Green B.D., Dickeon M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
"Generation and initial analysis of more than 15,000 full-length human
"Generation and initial analysis of more than 15,000 full-length human
"Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STRRRRR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local S
Matches 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   InterPro; IPR007110; Ig-like.
InterPro; IPR003598; Ig_c2.
Pfam; PF00047; Ig; 1.
SMART; SM00408; IGC2; 1.
PROSITE; PS50835; IG_LIKE; 1.
NON_TER 1 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LT 10
TO XENLA
Q7ZWTO_1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-JUN-2003 (TrEMBLrel.
01-JUN-2003 (TrEMBLrel.
01-MAR-2004 (TrEMBLrel.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NCBI_TaxID=8355;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleost
Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MGC53721 protein.
Xenopus laevis (African clawed frog)
                                                                                      "Genetic and initiative."
                                                                                                                                                 Richardson
                                                                                                                                                                          MEDLINE=22341132; PubMed=12454917; Klein S.L., Strausberg R.L., Wagner
                                                                                                                                                                                                                                           TISSUE=Embryo,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Q7ZWT0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE
                                                                                                                                                                                                                                                                      NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Xenopodinae; Xenopus;
                                                                                                                                                                                                                                                                                                                                                             mouse cDNA sequences.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 138;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      XENLA PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  μ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPT-NPKSTRAFSNSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LVPPSKPTVSIPSSVTIGNRAVLTCSEHDGSPPSEYSWFKDGVPMLTADAKKTRAFINSS
                                                             225:384-391 (2002)
                                                                                                                                                 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       173 AA; 18706 MW;
                                                                                                                                                                                                                                                                                                                                 Acad.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                  genomic
                                                                                                                     tools
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             45.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Xenopus.
                                                                                                                                                                                                                                                                                                                                 U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             24,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; Score 700; DB 2;
; Pred. No. 2.5e-46;
16; Mismatches 17
                                                                                                                     ę
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Created)
Last sequence update)
Last annotation update)
                                                                                                                                                                                Wagner
                                                                                                                                                                                                                                                                                                                                 99:16899-16903 (2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Craniata; Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3EE3ECDFA5AFB8B2 CRC64;
                                                                                                                     Xenopus
                                                                                                                                                                             DOI=10.1002/dvdy.10174; r L.. Pontius J., Clifton S.W.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                  The NIH Xenopus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                               human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    N
```

NUCLEOTIDE SEQUENCE

```
RASSULTI OF A PARA SCEEN RASSULTI OF A PARA SCEEN RASSULTI OF RASSULTI OF A PARA SCEEN RASSULTATION RA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         र्
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            吊
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Klein S., Strausberg R.;
Submitted (FEB-2003) to the EME
EMBL; BC046720; AAH46720.1; -;
HSSP; O88792; 1F97.
InterPro; IPR007110; Ig-like.
InterPro; IPR003598; Ig_c2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                JLT 11
)CO_XENLA
Q640CO_XENLA 1
Q640CO;
25-OCT-2004 (7
Strausberg R.L., Feingold B.A., Grouse L.H., Derge J.G.,
Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.I
Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   25-OCT-2004 (TrEMBLrel. 28, Created)
25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
LOC398627 protein (Fragment).
Name=LOC398627;
Xenopus laevis (African clawed frog).
Eukaryota; Metazoa; Chordata; Cranlata; Vertebrata;
Amphhba; Batrachia; Anura; Mesobatrachia; Pipoidea
                                                                                                                                                                                                               MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
                                                                                                                                                                                                                                                                                                                                                                                                              Richardson P.;
                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDLINE=22341132; PubMed=12454917; DOI=10.1002/dvdy.10174; Klein S.L., Strausberg R.L., Wagner L., Pontius J., Clifton
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Xenopodinae; Xenopus;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pfam; PF00047; 1g; 1.
SMART; SM00408; IGC2; 2.
PROSITE; PS50835; IG_LIKE; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TISSUE=Kidney;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                   TISSUE=Kidney
                                                                                                                                                                                                                                                                            NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                          initiative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IISSUE=Embryo;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Immunoglobulin domain; Transmembrane
SEQUENCE 289 AA; 31630 MW; 24354F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 186
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     129;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         œ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ø
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity
                                                                                                                                                                                                                                                                                                                                                               and genomic tools ve.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LQVIVAPSKPVAQVPRSVSTGSVAELLCVENDGYPPTTFIWYRNKSPMQIAPQ-----N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DQETSFVFYDGSLTAPYKDRAIPYPQGITLKQITRKDAGEYSCEVTSTGSKTLYGEAKIQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSG-FSSPRVEWKF-DQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      VLLILALIGFGMWFAYSRGYLDRKE----NKKVIYSLPSETRSDKNFQQTSSFLV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEXTWFKDGIVMPTNPKSTRAFSN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RRAVGVGLLCCCLWTVTLAAVT--TPNPTIIVKEGESAELQCSYSSDFTSPRVEWKFVNK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPS-ARSEGEFKQTSSFLV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STYTIDPKTGVLKFAAVSTSDSGEYYCBATNNQG-KQASDLVRMDVQDVNVGGIVAAVVI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIVAAVLV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNS-YGEVKVK 125
                                                                                                                                                                                                                                                                                                                                 225:384-391 (2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        39.0%; Score 602.5; DB 2; 43.7%; Pred. No. 1.7e-38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Xenopus.
                                                                                                                                                                                                                                                                                                                                                                                for Xenopus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            54; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        24354B5A37618845
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       296
                                                                                                                                                                                                                                                                                                                                                                                   research:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Vertebrata;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pipoidea;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  95;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CRC64;
                                                                                                                                                                                                                                                                                                                                                                                   The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                NIH Xenopus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pipidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17;
                                                                                                                                                                                                                                                                                                                                                                                                                                       S.W.
                                                       T.B.,
        S.J.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                   Ġ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           66
```

```
RESULT 12
Q75YQ7_XENLA
Q75YQ7_XENLA
Q75YQ7;
AC
Q75YQ7;
AC
Q75YQ7;
AC
Q75YQ7;
AC
Q75YQ7;
AC
Q75YQ7;
DT
01-CCT-2003 (TrEMBLrel. 25,
DT
01-MAR-2004 (TrEMBLrel. 26,
DE
LOC398627 protein (Fragment
GN
Name-LOC398627;
OS
Xenopus laevis (African clav
CC
Amphibia; Batrachia; Anura;
CC
Amphibia; Batrachia; Anura;
CC
Amphibia; Batrachia; Xenopus; Xenopus
CX
CXENOPOGIANE; Xenopus; Xenopus
CX
CXENOPOGIANE; Xenopus; Xenopus
CX
CXENOPOGIANE; Xenopus; Xenopus
CX
CXENTE SEQUENCE.
RC
TISSUE=Whole;
RA
Strausberg R.L., Feingold E
RA
Strausberg R.L., Feingold E
RA
Altschul S.F., Zeeberg B., 1
                                                                                                                                                                                                                                                                                                                                                                                            밁
                                                                                                                                                                                                                                                                                                                                                                                                                    ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                            밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                        01-OCT-2003 (TrEMBLrel. 25, L
01-MAR-2004 (TrEMBLrel. 26, L
LOC398627 protein (Fragment).
Name=LOC39867;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         InterPro; IPR003599; Ig.
InterPro; IPR007110; Ig-11ke.
InterPro; IPR003598; Ig_c2.
SMART; SM00409; IG; 2.
SMART; SM00408; IGc2; 2.
PR0SITE; PS50835; IG LIKE; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H., Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W., Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A., Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A., Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G., Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G., Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C., Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.; "Generation and initial analysis of more than 15,000 full-length human and marra analysis of more than 15,000 full-length human
   MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.
Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.
Klausener R.D., Collins F.S., Wagner L., Shenmen C.M.
Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F.
                                                                                                                                                   Xenopus laevis (African clawed frog).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EMBL; BC082710; AAH82710.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NON TER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Klein S., Gerhard D.S.;
Submitted (SEP-2004) to the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SSUE=Kidney;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       mouse cDNA sequences.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              136
                                                                                                                                                                                                                                                                                                                                                                                             249
                                                                                                                                                                                                                                                                                                                                                                                                                           249
                                                                                                                                                                                                                                                                                                                                                                                                                                                              190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                132;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TIDPNTGVLKFASVGTSDSGEYYCKATNSQG-EQSSAIVRMDVKDVNVGGIVAAVVIVLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IVAPGTPVAQVPSSARTGSVAELMCVETQGFPLPTFTWYHNN--SPMQAKS----QNSTY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LYPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKSTRAFSNSSY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TRLVCYNNKITASYEDRVTFLPTGITFKSVTRBDTGTYTCMVSEEGGN-SYGEVKVKLIV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             VLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIVAAVLVTLI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TSFVFYDGSLTASYKDRATSYPOGIKLNOVTRKDAGEYSCEVTSTGTKVLYGEAKIOLOV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  296 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Acad. Sci. U.S.A. 99:16899-16903 (2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  32269 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                37.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                46;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     <u>.</u>
                                                                                                                                                                                                                                     Last sequence update)
Last annotation updat
                                                                                                                                                                                                                                                                       Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 580.5; DB Pred. No. 8.8e-37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      mRNA.
                                                                                                                                                                                                                                                                                                          PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2EF4953AB840A15C CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                          300
     Schaefer C.F.,
                   Shenmen C.M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .8e-37
                                                                                                                                                                                                                                                                                                          ጅ
                                                                                                                                                        Pipoidea;
                                                                                                                                                                                                                                      update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ν
•
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                      J.G.
                                                                                                                                                                          Euteleostomi;
                                                     242603899
                                                                                                                                                       Pipidae;
     Schuler G.D, Bhat N.K.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21;
                                                                                                                                                                                                                                                                                                                                                                                             296
                                                                                                                                                                                                                                                                                                                                                                                                                              299
                    .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 69
                                                                                                                                                                                                                                                                                                                                                                                                                                                               248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                189
```

```
RESULT
Q66172
ID Q6
AC Q6
AC Q6
DT 25
DT 25
DT 25
DT 25
                                                                                                                                                                                                                                                                                                                                              S
                                                                                                                                                                                                                                                                                                                                                                                                                 밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                            ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       გ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         片
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                श्
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ARA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Dilatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Brownstein M.J., Ugdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Raha S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA ROdriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
RA Rodriguez A.C., Schein J.E., Jones S.J.M., Marra M.A.;
"Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
Q66172 BRARE
Q66172;
25-OCT-2004 (
25-OCT-2004 (
25-OCT-2004 (
711 receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Klein S., Strausberg R.;
Submitted (JUN-2003) to the EMBL/GenBank/DDBJ databases.
EMBL, BC054305, AAH54305-1; -; mRNA.
HSSP; O88792; 1F97.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                InterPro; IPR007110; Ig-1ike.
InterPro; IPR003598; Ig_c2.
SMARF; SM00408; IGc2; 1.
PROSITE; PS50835; IG_LIKE; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDLINE=22341132; PubMed=12454917; DOI=10.1002/dvdy.10174; Klein S.L., Strausberg R.L., Wagner L., Pontius J., Clifton S.W.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TISSUE=Whole;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    initiative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Genetic and initiative."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Richardson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NON TER
                                                                                                                                                                              13
BRARE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   mouse cDNA sequences.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              al Similarity
132; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Natl. Acad.
                                                                                                                                                                                                                                                                                                LLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPS-ARSEGEFKQTSSFLV
                                                                                                                                                                                                                                                                                                                                                                                                                     TIDPNTGVLKFASVGTSDSGEYYCKATNSQG-EQSSAIVRMDVKDVNVGGIVAAVVIVLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                            VLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIVAAVLVTLI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      IVAPGTPVAQVPSSARTGSVAELMCVETQGFPLPTFTWYHNN--SPMQAKS----QNSTY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKSTRAFSNSSY 188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TRLVCYNNKITASYEDRVTFLFTGITFKSVTREDTGTYTCMVSEEGGN-SYGEVKVKLIV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LLALLCCCCLWTAALAGVT--APDPTITVKEGDSPDLRCSYTSDYINPRVEWKFVNKDQE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ILAILLC----SLALGSVTVHSSEPEVRIPENNPVKLSCAY-SGFSSPRVEWKF-DQGDT:||:|| : | : | : | : | : | : | | : | | | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | : : | :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TSFVFYDGSLTASYKDRATSYPQGIKLNQVTRKDAGEYSCEVTSTGTKVLYGEAKIQLQV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      225:384-391 (2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  300 AA; 32858 MW; 02BC49DC74E271D4 CRC64;
                              (TremBLrel. 28, Created)
(TremBLrel. 28, Last seq
(TremBLrel. 28, Last ann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          genomic tools for Xenopus research: The NIH Xenopus
                                                                                                                                                   PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sci.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                37.6%;
45.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              46; Mismatches
                                 Last sequence update)
Last annotation updat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 580.5; DB Pred. No. 9e-37;
                                                                                                                                                   PRT;
                                                                                                                                                   292
                                                                                                                                                ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 2;
                              update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           93; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        300;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            79
```

```
S
                                                                                           밁
                                                                                                                                 Ş
                                                                                                                                                                                     밁
                                                                                                                                                                                                                                  S
                                                                                                                                                                                                                                                                                      밁
                                                                                                                                                                                                                                                                                                                           S
                                                                                                                                                                                                                                                                                                                                                                                  밁
                                                                                                                                                                                                                                                                                                                                                                                                                         5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RA Strausberg R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D., RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D., RA Altechul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K., RA Altechul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K., RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F., RA Stapleton M.S., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E., Stapleton M.J., Ugdin T.B., Toshiyuki S., Carninci P., Prange C., RA Brownstein M.J., Ugdin T.B., Toshiyuki S., Carninci P., Prange C., RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J., Bonask S.A., McZwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H., RA Bosak S.A., McZwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H., RA Raha S.S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W., Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A., Vallalon D.K., Male S., Garcia A.M., Gay L.J., Hulyk S.W., RA Villalon D.K., Malen A., Young A.C., Shevchenko Y., Bouffard G.G., RA Milting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G., RA Rodriguez A.C., Grinwood J., Schmutz J., Myers R.M., RA RA Rakesley R.W., Touchman J.W., Green E.D., Dickson M.C., RA RA Rakesley R.W., Touchman J.W., Green E.D., Dickson M.C., RA RA Rakesley R.W., Touchman J.W., Green E.D., Dickson M.C., RA RA Schnerch A., Schein J.E., Jones S.J.M., Marra M.A., "Generation and initial analysis of more than 15,000 full-length human and provided than 15,000 full-length human and provided thanks and provided than 15,000 full-length human and provided thanks and pro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pfam; PF00047; ig; 1.

SMART; SM00409; IG; 2.

SMART; SM00408; IGC2; 2.

SMART; SS0085; IG LIKE; 2.

Immunoglobulin domain; Receptor.

SEQUENCE 292 AA; 32091 MW; E1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZFIN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Brachydanio rerio (Zebrafish) (Danio rerio).
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii; Neopterygii; Teleostei; Ostariophysi; Cypriniformes;
Cyprinidae; Danio.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             InterPro; IPR003599; Ig.
InterPro; IPR007110; Ig-like.
InterPro; IPR003598; Ig_c2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GO; GO:0004872; F:receptor activity;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Submitted (SEP-2004)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Director MGC Project;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDLINE=22388257;    PubMed=12477932;    DOI=10.1073/pnas.242603899;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TISSUE=Larvae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Name=fllr;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TISSUE=Larvae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    mouse cDNA sequences.";
c. Natl. Acad. Sci. U.S.
                                                                                              196
                                                                                                                                           206
                                                                                                                                                                                       136
                                                                                                                                                                                                                                       146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BC081502; AAH81502.1; -; ml
ZDB-GENE-030131-2416; fllr
                                                                                                                                                                                                                                                                                        78
                                                                                                                                                                                                                                                                                                                                                                                    21
                                                                                                                                                                                                                                                                                                                                                                                                                                   29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity
LPKLSETKQKPQAVYTQPQTDDVDEANGFRQKSSFVV
                                                                                                                                                                                          SSNVRLTCFDPVGSPPSTYKWYKDNTPLPEDPTKFPAFKNLTYKMNVFNGNLEFPSVSKM
                                                                                                                                                                                                                                                                                                                 RVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYGEVKVKLIVLVPPSKPTVNIPSSATI
                                                                                                                                                                                                                                                                                                                                                                                  VIVIS---PVKVKENEGVDLQCSYTSDFGATPRVEWKFKDLKGSQTLVYFDGKPTGQYTG
                                                                                                                                                                                                                                                                                                                                                                                                                       VTVHSSEPEVRIPENNPVKLSCAY-SGF-SSPRVEWKF-DQGDTTRLVCYNNKITASYED
                                            FDRTKKGTSSKKVIYSQPSARSEGE---FKQTSSFLV
                                                                                           DTGSYFCEASNGEGVPQRGDEVKMEVRDLNVGGIVAGVIVALLAVGLLLFGLWYASKKGY
                                                                                                                                        DTGEYSCEARNGYGTPMTSNAVRMEAVERNYGVIVAAVLVTLILLGILVFGIWFAYSRGH
                                                                                                                                                                                                                                    GNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKSTRAFSNSSYVLNPTTGELVFDPLSAS
                                                                                                                                                                                                                                                                                        RVTMYDKGLRFNKVTRADTGDYDCEVSGSGG--YGENTIKLTVLVPPAKPVSRIPSSVTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    37.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 571.5; DB 2;
Pred. No. 4.3e-36;
B; Mismatches 105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         99:16899-16903 (2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              E1F6B5FE74A72502 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IEA.
                                               299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             292;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         human
                                                                                                255
                                                                                                                                                                                            195
                                                                                                                                                                                                                                            205
                                                                                                                                                                                                                                                                                           135
                                                                                                                                                                                                                                                                                                                                          145
                                                                                                                                                                                                                                                                                                                                                                                       77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6
```

```
Q66JI5_XEN
Q66JI5_XEN
ID Q66JII
D7 Q66JII
AC Q66JI
D7 25-Q0
D7 25-Q0
D7 25-Q0
D7 25-Q0
D7 25-Q0
D7 25-Q0
QC Eukaa
QC Amphi-
QC
                                                 S
                                                                                                                             밁
                                                                                                                                                                     S
                                                                                                                                                                                                                                             문
                                                                                                                                                                                                                                                                                                         S
                                                                                                                                                                                                                                                                                                                                                                                  문
                                                                                                                                                                                                                                                                                                                                                                                                                            ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RA Strausberg R.D., Feingold E.A., Grouse I.H., Derge J.G.,

RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,

RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

RA Brownstein M.J., Usdin T.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

RA Richards S., McKevan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

RA Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,

RA Butterfield Y.S.N., Krzywinski M.J., Shevors R.M.,

RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,

RA Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;

RT "Generation and initial analysis of more than 15,000 full-length human

RI Proc. Natl Acad Sci 11 c a collegeous S. Sanchez S.,

RI Proc. Natl Acad Sci 11 c a collegeous S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local S
Matches 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Submitted (AUG-2004) to the EMBL/Genl
EMBL; BC080901; AAH80901.1; -; mRNA.
InterPro; IPR003599; Ig-
InterPro; IPR007110; Ig-like.
InterPro; IPR00598; Ig-c2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Q66JI5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pfam; PF00047; ig; 1.
SMART; SM00409; IG; 2.
SMART; SM00408; IGc2; 2.
PROSITE; P850835; IG_LIKE; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     fissue=Embryo;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Xenopus tropicalis (Western clawed frog) (Silurana tropicalis).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
Xenopodinae; Xenopus; Silurana.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Name=MGC79514;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MGC79514 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      25-OCT-2004 (TrEMBLrel. 28, 25-OCT-2004 (TrEMBLrel. 28, 25-OCT-2004 (TrEMBLrel. 28,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Immunoglobulin domain.
SEQUENCE 291 AA; 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Sinhes 123;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        XENTR
   181
                                                              180
                                                                                                                                                                                            120
                                                                                                                                                                                                                                                           62
                                                                                                                                                                                                                                                                                                                   64
                                                                                                                                                                                                                                                                                                                                                                                  4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       XENTR PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                             <sub>5</sub>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Similarity
                                                                                                                                                           GEVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKS
                                                              TRAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVI
                                                                                                                          GEAKIQLLVIVAPSQPMAHVPNTVRTGSAVELRCVETQGYPPPTFTWYQNKAPMPPNPQ-
                                                                                                                                                                                                                                                    FVNNQLETFFVYYDGTLTASYVNRATSVPQGIILNQITSKDAGEYSCEVTSVDSNGQTLY
                                                                                                                                                                                                                                                                                        FDQGD-TTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNS---Y
                                                                                                                                                                                                                                                                                                                                                                                  ASSNRGAVVLGLLCACLWTAAFAGVS--TPNPTITVKQGATADLRCTYTSDFTKSRVEWK
                                                                                                                                                                                                                                                                                                                                                                                                                                             AQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAY-SGFSSPRVEWK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gerhard D.S.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        36.3%; Score 560.5; DB 2; larity 40.9%; Pred. No. 3.1e-35; Conservative 54; Mismatches 105;
-NATYTIDENTGVLKFRAVAÁSDSGDYYĆKAANSEG-EQVSAIVRMNVQDVNVGGI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         31538 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Created)
Last sequence update)
Last annotation updat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           99:16899-16903 (2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         D6A3115178E222A6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    291;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          human
                                                              239
234
                                                                                                                             180
                                                                                                                                                                                                                                                    121
                                                                                                                                                                                                                                                                                                                                                                                  61
```

```
Ś
                                                                                                                         밁
                                                                                                                                                                   S
                                                                                                                                                                                                                                         밁
                                                                                                                                                                                                                                                                                                   S
                                                                                                                                                                                                                                                                                                                                                                   밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOUCCE REPORT OF THE PROPERTY 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    밁
                                                                                                                                                                                                                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 15
Q4S8Z8_TETNG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ક
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RA Mailen O., Aury J.M., Brunet F., Petit J.L., Stange-Thomann N.,
RA Mauceli E., Bouneau L., Fischer C., Ozot-Costaz C., Bernot A.,
RA Micaud S., Jaffe D., Fisher S., Lutfalla G., Dossat C., Segurens B.,
RA Nicaud S., Jaffe D., Fisher S., Lutfalla G., Dossat C., Segurens B.,
RA Dasilva C., Salanoubat M., Levy M., Boudet N., Castellano S.,
RA Anthouard V., Jubin C., Castelli V., Katinka M., Vacherie B.,
RA Anthouard C., Duprat S., Brottier P., Coutanceau J.P., Gouzy J.,
RA Cruaud C., Duprat S., Brottier P., Coutanceau J.P., Gouzy J.,
RA Parra G., Lardier G., Chapple C., McKernan K.J., McEwan P., Bosak S.,
RA Rellis M., Volff JN., Guigo R., Zody M.C., Mesirov J.,
RA Kindbad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,
RA Laudet V., Schachter V., Quetier F., Saurin W., Scarpelli C.,
RT "Genome duplication in the teleost fish Tetraodon nigroviridis reveals
Tthe early vertebrate proto-karyotype.";
Nature 431:946-957 (2004).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local S
Matches 110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NON TER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUCLEOTIDE SEQUENCE.
Genoscope; Whitehead Institute Centre for Genome Research;
Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry whi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Q4SBZ8;
13-SEP-2005 (TrEMBLrel. 31, Created)
13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
Chromosome 7 SCAF14703, whole genome shotgun sequen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Tetraodon nigroviridis (Green puffer).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleostei;
Acanthomorpha; Acanthopterygii; Percomorpha; Tetraodontiformes;
Tetradontoidea; Tetraodontidae; Tetraodon.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Q4S8Z8_TETNG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EMBL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORFNames=GSTENG00022119001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NCBI_TaxID=99883;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (Fragment)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      preliminary data.

7. Carrol014703; CAG02884.1; -; Genomic_DNA.
182
                                                            188
                                                                                                                         122
                                                                                                                                                                                   128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CAAE01014703; CAG
                                                                                                                                                                                                                                            65
                                                                                                                                                                                                                                                                                                         89
                                                                                                                                                                                                                                                                                                                                                                                                                   12 LCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSP--RVEWKFD--QG
                                                                                                                                                                                                                                                                                                                                                                      տ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 V 291
                                                                                                                                                      VLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKSTRAFSNSS 187
                                                                                                                                                                                                                                                                                                                                                                   VAVWAAAFILISATGVCGFSVTTEKSEVEVGENNGVDLTCTYSADFGPNARVEWKFKNLQG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              <
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    YSLDTELGKLTYSKTSLSDSGEYFCEAVNKAGPAQRCRAVKMEVRDLNTGGIVAGVIVAL
                                                      YVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIVAAVLVTL
                                                                                                                         VLVPPSPPVCNIPSSVTTGGRATLDCNDPDGSPPPTYRWYKNGVPLPADPSKISGYQNAT
                                                                                                                                                                                                                                            SQVYVV-FDGKPTEPYSSRLTMYNSNLRFSKVTRKDNGVFDCEVS--GNGQFQEVRVTLT
                                                                                                                                                                                                                                                                                                      DTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYGEVKVKLI 127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       VAAVVIVLLILALIGFGLWYAYSRGYLD--KKG--NKKVIYSQPSETRSDKNFQQTSSFL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      260 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      28017 MW; 7D8EA67FCA13CAF7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         34.6%; Score 534.5; DB 2
42.6%; Pred. No. 2.8e-33;
tive 42; Mismatches 99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             99;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             entry which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         260;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                            247
                                                                                                                         181
                                                                                                                                                                                                                                                   121
   241
                                                                                                                                                                                                                                                                                                                                                                         64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          290
```

용 왕	248 II 242 LI	ILLGILVEGIWFAYSKGH 265 : : : : LLLALLVEGIWYANKKGY 259	GIWY	NKKGY	259	
Search complet Job time : 271	mpletec	d: May secs	16, ;	2006,	completed: May 16, 2006, 07:07:42 le : 271 secs	

```
Title:
Perfect score:
Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Result
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Minimum DB seq length: Maximum DB seq length:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OM protein -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Database
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Total number
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
189.5
181.5
181.5
179
178.5
177.5
177.5
177.5
169.5
169.5
169.5
169.5
169.5
169.5
169.5
169.5
169.5
169.5
169.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein search, using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-10-785-433-1
1544
1 MGTKAQVERKLLCL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query
Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           May 16, 2006, 07:01:24; Search time 40 Seconds (without alignments) 719.220 Million cell
                                                                                                                                                                                                       BLOSUM62
Gapop 10.0 ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PIR_80:*
1: pir1:*
2: pir2:*
3: pir3:*
4: pir4:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   283416 seqs, 96216763 residues
10.8
10.8
10.8
10.8
10.7
10.7
110.7
110.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MGTKAQVERKLLCLFILAIL.....YSQPSARSEGEFKQTSSFLV 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2000000000
GenCore version 5.1.8 (c) 1993 - 2006 Biocceleration Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BB
                                                                                                                                                                                                                                                                                                                                                                S56749
JC7780
I38346
I49583
A46512
JC2457
JH0371
T17346
                                143648
143904
143904
148532
148532
142632
142632
142632
1129549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
1729549
172954
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ₩
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            summaries
                                                                                                                                                                                                    hypothetical prote
B-cell adhesion pr
sax-3 protein - Ca
hypothetical prote
glial cell membran
cell adhesion mole
cell adhesion mole
cell adhesion mole
cell adhesion mole
cell adhesion frui
vascular cell adhe
vascular cell adhe
                                                                                                   hypothetical prote
hypothetical prote
hemicentin precurs
connectin/titin -
                hypothetical prote kinase-like protei hypothetical prote
                                                                                                                                                                                                                                                                                                                                                                                                                                       elastic titin - differentiation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         junctional adhesio coxsackie- and ade
                                                                   nonspecific cross-
protein UNC-89 - C
                                                                                                                                                                     hypothetical prote
Down syndrome cell
                                                                                                                                                                                                                                                                                                                                                                                    B-cell adhesion
                                                                                                                                                                                                                                                                                                                                                                                                      vascular cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Description
transient axonal
                                                                                                                                                                                                                                                                                                                                                                                                                    homolog/B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             updates/sec
\begin{array}{c} 1111\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\ 1201\\
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         150.5
150
150
149.5
149.5
149.5
149.1
149.1
148.5
148.5
148.7.5
                                                                                                                                                                                                                                            144.5
144.5
144.5
144.5
                                                                                                                                                                                                                                                                                                                               146.5
146.5
146.5
146.5
146
146
145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   151.5
151.5
151.5
150.5
150.5
150.5
150.5
143
143
143
143
142.5
142.5
142.5
142.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    157.5
157.5
157.5
157.5
157.5
157.5
156.5
156.5
155.5
155.5
155.5
155.5
154.1
154.1
153.3
153.3
153.3
153.3
153.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IJCHNI

JE00999

IJCKLNII

PP00568

53434365

$3434365

$3434365

$3434367

$1108011

JC04593

JC04593

JC04776

322383

A410600

IJCHNI

JC156600

IJCHNI

JC176600

IJCHNI

JC17600

JC1760
```

neural cell adhesi
neural cell adhesi
neural cell adhesi
connectin 3B - chi
hypothetical prote
hypothetical prote
axonal glycoprotei
biliary glycoprotei
biliary glycoprotei
fibroblast growth
neural cell adhesi protein-tyrosine-p

SHP substrate-1 pr SHP substrate-1 pr Contactin precurso neural cell adhesi titin, cardiac mus neogenin - chicken biliary glycoprote neural cell adhesi neural cell adhesi heparan sulfate pr carcinoembryonic a carcinoembryonic a biliary glycoprote cell adhesion prot protein-tyrosine-p protein-tyrosine k vascular cell adhesi cDO protein - rat neural cell adhesi neurotrimin - rat neurotrimin - fruit neuroglian - fruit neurol cell adhesi protein-tyrosine k limbic-system-asso protein-tyrosine-p biliary glycoprote vascular cell adhe vascular cell adhe fibroblast growth protein-tyrosine k protein-tyrosine k protein-tyrosine-p protein-tyrosine-p biliary glycoprote Fit-1 tyrosine kin neural cell adhesi amalgam protein pr biliary glycoprote sialoadhesin - mou ecto-ATPase precur rig-1 protein - mo leukocyte antigenbiliary glycoprote carcinoembryonic a neural cell adhesi perlecan precursor fibroblast growth ror-related leukocyte surface dutt1 protein - m neural cell adhesi carcinoembryonic a hypothetical prote protein-tyrosine-p axonin 1 precursor neural cell adhesi leukocyte antigenrecept ão

carcinoembryonic a protein-tyrosine-p protein-tyrosine-p biliary glycoprote biliary glycoprote

1110 1110 1110 1110 1110 1110 1110 1110 1110 1110 1110 1110 1110 1110 11	103 104 105 106 106 107 108 109 110 111 111 111
140.5 140.5 140.5 130.5	142 142 141.5 141.5 141.5 141.5 141.5 141.5 141.5 140.5 140.5
© © © © © © © © © © © © © © © © © © ©	.
11000000000000000000000000000000000000	417 464 976 5267 1651 1894 882 577 873
2 T03097 2 T03097 2 T03097 2 R531512 2 R537431 2 R537431 2 R537431 2 R537431 2 R537431 2 R537431 2 R537431 2 R537431 2 R540204 2 R	
00000000000000000000000000000000000000	0007
CDO protein - huma vascular endotheli protein-tyrosine k neuronal cell surf pregnancy-specific cross-protein-tyrosine k contactin precurso pregnancy-specific biliary glycoprote policy irus recepto protein unc-52 [immyelin-associated fibroblast growth receptor tyrosine peroxidasin - frui pregnancy-specific trait trait protein-tyrosine k libroblast growth protein-tyrosine k libroblast growth protein-tyrosine k libroblast growth fibroblast growth gregnancy-specific pregnancy-specific pregnancy-speci	biliary gli transmembre hypothetics 50K glycope lymphocyte transmembre protein-ty protein-ty receptor ty biliary gli Ig heavy ch fasciclin i
CDO protein - human vascular endotheli pregnancy specific cross-grotein-tyrosine k neuronal cell surf nonspecific cross-grotein-tyrosine k pregnancy-specific cross-grotein-tyrosine k pregnancy-specific biliary glycoprote-biliary glycoprote-poliovirus receptor tyrosine k peroxidasin - frui pregnancy-specific teratocarcinoma glopioid-binding protein-tyrosine k glight chain protein-tyrosine k glight chain protein-tyrosine k gregnancy-specific pregnancy-specific pregna	illary glycoprote ransmembrane carc ypothetical prote of glycoprotein p ymphocyte antigen yelin-associated ransmembrane recerotein-tyrosine-peceptor tyrosine-peceptor glycoprote glary glycoprote glyc
huma huma huma huma huma huma huma huma	oprote prote
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	176 177 178 179 180 181 182 183 184 185 186
130.5 130.5 1129.5	
08000000000000000000000000000000000000	
1011 1011 1016 520 302 822 1173 302 822 822 1173 302 302 302 302 822 424 424 709 822 709 820 820 820 820 820 820 820 820 820 820	707 1018 1018 419 419 733 822 1265 2029 2029 2038 304 338
2 T113669 2 149503 1 RWHUPD 1 RWHUPD 2 C40082 2 149503 2 C40082 2 1515674 2 C4082 2 1515674 2 S15674 2 S15674 2 PFHUGB 2 T30581 2 T28714 2 PFHUGB 2 T30581 2 T30581 2 T30581 2 T30581 2 T28714 2 PFHUGB 2 T30581 2 T30581 2 T28714 2 PFHUGB 2 T30581 2 T30581 2 T28714 2 T43027 2 PS04002 2 S24108 2 T28714 2 T3058181 1 TVHUF2 2 T405969 2 S165948 2 T405969 2 S165948 2 T405981 2 T405969 2 S165948 2 T405969 2 S165948 2 T405969	
T13669 A33402 S44099 I49503 I49503 I49503 TYHUFG B49151 T25893 I551674 B35963 A345963 A345963 A345963 A351242 A440114 B7HUGB T30581 T48268 T30581 T48268 T30581 T48268 T30581 T48268 T30581 T48268 T30581 T58164 T30581 T74877 T58164 T38574 T58164 T38577 T74876 T74876 T74877	A38429 A54744 JC4211 B54312 A36109 I149293 I149299 I149289 A37967 TDFFLK T12098 R12098
neuron pregna protei pr	kerat conta neura pregn pregn fibro fibro neura prote hypot cell opioi
nuscy hocy hocy hocy hocy hocy hocy hocy ho	keratinocyte growt contactin 1 precur neural adhesion pr pregnancy-specific pregnancy-specific fibroblast growth fibroblast growth neural cell adhesi protein-tyrosine-phypothetical prote cell surface glyco opioid-binding propregnancy-specific
specific specific recepto adhesi la dhesi la dhe	
notifice of the case of the ca	precur flon precur lon precific ecific frowth adhesi adhesi sine-p prote glyco ong pro

317 318 319 320	315 316	313	311	310	308	306	305	304	302	301	300	299	298	296	295	2 2 4	200	200	2 1	200	290	289	288	287	286	285	9 6	284	283	707	0 0	3 6	280	279	278	277	276	275	274	273	272	271	270	269	268	107	0 0	2 0	9 6) i	9 6) h	200	260	259	258	257	256	V V	n t	2 7 4	253	252	251	250
112.5 112.5 112.5	按 .				1				•	•			•	-			- -	• •	•	•		•	•	\rightarrow	_	, ,-		_	.7	١:	٠:	٦ :		.7	.7	_	-	118	_	\vdash	_	i	'n	118	•	a	יַ י	•	5 .			. L	งเ	v	N	12	21.	21.	•	3 :	2	21.	122	N	N
77.3	7.4 7.3	7.4 7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.5	7.5	7.5	л . л u	7 . 7 .		۰ د ن د	J .	n u	J .	7 .	7	7.5	7.5	7.6	7.6.	7.6		7.6	7.6		1 :	7	7	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.7				1.	1 :	1 .	J :	7 9	7 8	7.8	7.8	7.9	7.9	1.4	J :	7 9	7.9	7.9	7.9	7.9
748 259 332 477	588 313	321 588	6839 7160	1272	480	392 417	336	820	235	800	495	426	400	5012	207	4 2 2	100	200	8 6	800	36.	267	240	508	480	330	100	232	1089	TOOS	1000	764	2.5	467	328	814	906	806	773	620	426	421	253	225	524	354	310	3 6	0 (0) N	100	1 0 1 1	B (0	818	402	275	1471	404	010	310	255	233	1526	1375	243
* N N N N																																																																	
S41050 JC7109 JN0067 A34368	45254 28598	54766 TH0506	57242 27935	88852	56182	44194	42632	17295	25749	VHU2F	25750	35334	55181	0000	51635	10000	10101	00000	2222	48991	N0020	38442	L0143	33378	56182	46691	1000	25756	33727	MEDUTA		STILLE	68093	LMSP3	30444	39752	35963	VHUF3	46283	H0593	09016	46266	15475	51335	35341	10400	10000	2000	20073	100	0 10 10 10 10 10 10 10 10 10 10 10 10 10	21001	7404A	19120	09062	135216	19506	61596	1/17/	7377	7593	29577	13823	13822	53244
fibroblast growth ST2V protein - hum pregnancy-specific interferon gamma r	surfa hypot	B-lym adhes	hypot	neuro	fibroblast growth	polio	Fit-1	fibro	Ig la	fibro	hypot	pregn	propa	aggre	ilbro	pregn	Treard Treard	11010	1000	henar	fibro	proba	antig	fasci	fibro	CD86	200	io la	plate	prace	5 6 6 6 6	9779	נאאם	polio	ST2 p	fibro	prote	fibro	hypot	Schwa	pregn	hypot	hypot	Ig la	ketti	nypot	เกิลาดี	proce	115010	Die or	70.00	11010	f : 5 0 0	יייייייייייייייייייייייייייייייייייייי	proba	FP31	hypot	advan	ק אניא	202	CHS	Iq li	frazzled	frazz	leukocyt
blast protei ancy-s feron	ce gly	phocyt	hin (e hetica	in unc	blast	VI TUB	Sprot	blast blast	mbda c	blast	hetica	ancy-s	מות מות	bla pr	blast	ancy-s	all Cy-	בממני	מו מו מו	1 1 1 1 1 1	מפולל	ble tu	en BCM	clin I	blast	precur		mbda o	let-de	Ter-ne		1	מים ו	virus	rotein	blast	in-tyx	blast	hetica	nn cel	ancy-e	hetica	hetica	mbda c	מו - מו	necica	all Cy - E	747-CY	ancy -	A. C.		2000	יים מולים	hetica	ble ad	protei	hetica	ced gr	rocein	-	3 (aht ch	led ge		æ
growt n - h pecifi gamma	copro	e act	imila:	1 - ch:	growt	recept	ein p	orein	hain	growtl	l pro	pecif:	ָּהְיבְּיבְּיבְּיבְּיבְּיבְּיבְּיבְּיבְּיבְ	ecure	growt	pecti	Pec L	9 6		200	arowt)	mor e	11 pred	II pro	growth	- IOB		hain .	rived	DAATT			him	recept	ı - hur	growtl	овіпе	growt	n proi	l mye	pecif:	n pro	n prot	hain	uit t.	ord Ti	Tropole	91118	1000		101		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	חח	lvance	n - fo	1 prot	усову.	zav - var		ว 1	chain -	ne pro	gene prot	큐
หยุฐา	io io	" 	₩ ₽.	E 6	. 5	öö	6	,		ט	ë	ก็ก็	5 =	. H	-	່ ດ	5 6	5 -	,	₹.	- 4	ğ	Ę	ñ	۰	н	•	•	Ω	Ľ) :	3 :	3	ö	ធ	٠	×	_	ë	<u>ټ</u>	<u>.</u>	æ	æ	•	~	a	6	ĵ >	ר ה)	•	• •	' '	Ď	_	Ĕ	æ	Ω.	P	1. [3	н :	Ä ;	ř	_
390 391 392 393	388 389	386 387	384	382	381	379	378	377	375	374	373	372	771	370	368		200	295	177	164	195	362	361	360	359	350	J (357	356		J (7.00	121	352	351	350	349	348	347	346	345	344	343	342	341	140		330		220	200	7 (1 (1	יני	332	331	330	329	0 2 0	3 (0	127	326	325	324	323
105. 105. 10	105.	105.	105.	105.	10	10	106.	106.	106.	10	ъ,	10	10.	107.	107.	101.	107.		- t	10	10	10	10	10	10	10	,	108.	108.	TOO.	100	108	108	108.	108.	10	10	109.	109.	109.	109.	109.	109.	109.	109.		4 1-	: :		110.	110	110.	110	110	110.	110.	11	11		111	111	111.	11	=	11
105.5 6. 105 6. 105 6.	105.5 6.	105.5 6.	105.5 6.	105 6.	106 6.	106 6.	106.5	106.5 6.	106.5 6.	107 6.	107 6.	107 6.	107 6.	107.5	107.5	107.0	107.5	107 5	108 7	108 7	108 7	108 7.	108 7.	108 7.	108 7.	108 7.	100:0	108.5 7.	108.5 7.	100.0	100.0	108 5 7	108.5 7.	108.5 7.	108.5 7.	109 7.	109 7.	109.5 7.	109.5 7.	109.5	109.5 7	109.5 7	109.5 7	109.5 7	109.5	1110	110	110 /	110	110 7	110.0	110.0	110 5 7	110.5 7	110.5 7	110.5 7	111 7	111 7	111	111	111.5	111.5 7	112	112 7	112 7
105.5 6.8 105.5 6.8 105 6.8	105.5 6.8 105.5 6.8	105.5 6.8 105.5 6.8	105.5 6.8	106 6.9	106 6.9	106 6.9	106.5 6.9	106.5 6.9	106.5 6.9	107 6.9	107 6.9	107 6.9	107 6 9	107.5	107.5 7.0	101.0	107 5 7 0	107 5 7 0	108 7 0	108 7.0	108 7.0	108 7.0	108 7.0	108 7.0	108 7.0	108 7.0	100	108.5 7.0	108.5 7.0	100.0	100.0	108 5 7 0	108.5 7.0	108.5 7.0	108.5 7.0	109 7.1	109 7.1	109.5 7.1	109.5 7.1	109.5 7.1	109.5 7.1	109.5 7.1	109.5 7.1	109.5 7.1	109.5 7.1	110 /.1	110	110 7.1	110 7.1	110 7 1	110 6 7 3	110 5 7 3	110 5 7.2	110.5 7.2	110.5 7.2	110.5 7.2	111 7.2	111 7.2	111 /.2	111 7 3	111.5 7.2	111.5 7.2	112 7.3	112 7.3	112 7.3
105.5 6.8 592 2 105.5 6.8 757 2 105 6.8 253 2 105 6.8 281 2	105.5 6.8 335 2 105.5 6.8 526 2	105.5 6.8 326 2 105.5 6.8 333 2	105.5 6.8 274 2 105.5 6.8 324 2	106 6.9 1298 2 105.5 6.8 233 2	106 6.9 850 2	106 6.9 259 2 106 6.9 478 2	106.5 6.9 821 1	106.5 6.9 790 2	106.5 6.9 474 1	107 6.9 1142 2	107 6.9 829 2	107 6.9 380 2	107 6 9 268 2	107.5 7.0 7541 2	107.5 7.0 764 2	107.5 7.0 364 2	107 5 7 0 584 2	107 6 7 0 240 2	108 7 0 1462 1	108 7.0 1363 2	108 7.0 964 2	108 7.0 940 2	108 7.0 839 1	108 7.0 825 2	108 7.0 773 1	108 7.0 612 2	100 70 011	108.5 7.0 821 1	108.5 7.0 587 2	100.00 1.00 11.00 1	100 5 7 0 476 1	108 5 7 0 470 2	108.5 7.0 243 2	108.5 7.0 240 2	108.5 7.0 233 2	109 7.1 402 2	109 7.1 269 2	109.5 7.1 1742 2	109.5 7.1 1052 2	109.5 7.1 954 2	109.5 7.1 822 1	109.5 7.1 618 2	109.5 7.1 477 1	109.5 7.1 413 2	109.5 7.1 353 2	2 COTT T.1 OTT	110 7.1 1030 8	110 7.1 1040 2	110 71 204 3	110 71 0000 1	110 6 7 3 6659 3	110 5 7 0 2051 3	110 5 7.2 813 1	110.5 7.2 738 2	110.5 7.2 233 2	110.5 7.2 232 2	111 7.2 868 2	111 7.2 860 2	111 /.4 JIJ 4	111 7 2 212 2	111.5 7.2 3488 2	111.5 7.2 821 1	112 7.3 1450 2	112 7.3 1287 2	112 7.3 987 2
00	105.5 6.8 335 2 105.5 6.8 526 2	105.5 6.8 326 2 105.5 6.8 333 2	105.5 6.8 274 2 105.5 6.8 324 2	106 6.9 1298 2 105.5 6.8 233 2	106 6.9 850 2	106 6.9 259 2 106 6.9 478 2	106.5 6.9 821 1	106.5 6.9 790 2	106.5 6.9 474 1	107 6.9 1142 2	107 6.9 829 2	107 6.9 380 2	107 6 9 268 2	107.5 7.0 7541 2	107.5 7.0 764 2	107.5 7.0 364 2	107 5 7 0 584 2	107 6 7 0 240 2	108 7 0 1462 1	108 7.0 1363 2	108 7.0 964 2	108 7.0 940 2	108 7.0 839 1	108 7.0 825 2	108 7.0 773 1	108 7.0 612 2	100 70 011	108.5 7.0 821 1	108.5 7.0 587 2	100.00 1.00 11.00 1	100 5 7 0 476 1	108 5 7 0 470 2	108.5 7.0 243 2	108.5 7.0 240 2	108.5 7.0 233 2	109 7.1 402 2	109 7.1 269 2	109.5 7.1 1742 2	109.5 7.1 1052 2	109.5 7.1 954 2	109.5 7.1 822 1	109.5 7.1 618 2	109.5 7.1 477 1	109.5 7.1 413 2	109.5 7.1 353 2	2 COTT T.1 OTT	110 7.1 1030 8	110 7.1 1040 2	110 71 204 3	110 71 0000 1	110 6 7 3 6659 3	110 5 7 2 2051 2	110 5 7.2 813 1	110.5 7.2 738 2	110.5 7.2 233 2	110.5 7.2 232 2	111 7.2 868 2	111 7.2 860 2	111 /.4 JIJ 4	111 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	111.5 7.2 3488 2	111.5 7.2 821 1	112 7.3 1450 2	112 7.3 1287 2	112 7.3 987 2
105.5 6.8 592 2 105.5 6.8 757 2 105 6.8 253 2 105 6.8 281 2	105.5 6.8 335 2 105.5 6.8 526 2	105.5 6.8 326 2 105.5 6.8 333 2	105.5 6.8 274 2 105.5 6.8 324 2	106 6.9 1298 2 105.5 6.8 233 2	106 6.9 850 2	106 6.9 259 2 106 6.9 478 2	106.5 6.9 821 1	106.5 6.9 790 2	106.5 6.9 474 1	107 6.9 1142 2	107 6.9 829 2	107 6.9 380 2	107 6 9 268 2	107.5 7.0 7541 2	107.5 7.0 764 2	107.5 7.0 364 2	107 5 7 0 584 2	107 6 7 0 240 2	108 7 0 1462 1	108 7.0 1363 2	108 7.0 964 2	108 7.0 940 2	108 7.0 839 1	108 7.0 825 2	108 7.0 773 1	108 7.0 612 2	100 70 011	108.5 7.0 821 1	108.5 7.0 587 2	100.00 1.00 11.00 1	100 5 7 0 476 1	108 5 7 0 470 2	108.5 7.0 243 2	108.5 7.0 240 2	108.5 7.0 233 2	109 7.1 402 2	109 7.1 269 2	109.5 7.1 1742 2	109.5 7.1 1052 2	109.5 7.1 954 2	109.5 7.1 822 1	109.5 7.1 618 2	109.5 7.1 477 1	109.5 7.1 413 2	109.5 7.1 353 2	2 COTT T.1 OTT	110 7.1 1030 8	110 7.1 1040 2	110 71 204 3	110 71 0000 1	110 6 7 3 6659 3	110 5 7 2 2051 2	110 5 7.2 813 1	110.5 7.2 738 2	110.5 7.2 233 2	110.5 7.2 232 2	111 7.2 868 2	111 7.2 860 2	111 /.4 JIJ 4	111 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	111.5 7.2 3488 2	111.5 7.2 821 1	112 7.3 1450 2	112 7.3 1287 2	112 7.3 987 2
105.5 6.8 592 2 525705 105.5 6.8 757 2 145956 105 6.8 253 2 A25687 105 6.8 281 2 H90853	105.5 6.8 335 2 H43354 105.5 6.8 526 2 \$70587	105.5 6.8 326 2 F43354 105.5 6.8 333 2 A43354	105.5 6.8 274 2 A47639 105.5 6.8 324 2 G43354	106 6.9 1298 2 A48999 105.5 6.8 233 2 S25748	106 6.9 850 2 JC5700	106 6.9 259 2 C85630	106.5 6.9 821 1 A39667	106.5 6.9 790 2 A39627	106.5 6.9 474 1 C39667	107 6.9 1142 2 S36845	107 6.9 829 2 JC4583	107 6.9 380 2 123339	107 6 9 268 2 123340	107 5 7 0 2541 2 T2811B	107.5 7.0 764 2 A49448	101 7 7 0 104 2 10417	107 E 7 O E94 2 TE0419	107 6 7 0 240 2 001200	108 7 0 1462 1 B36182	108 7.0 1363 2 I58375	108 7.0 964 2 T15746	108 7.0 940 2 A40985	108 7.0 839 1 173632	108 7.0 825 2 A55178	108 7.0 773 1 QRRBG	108 7.0 612 2 1/3633	100:0 7.0 621 1 00052	108.5 7.0 821 1 S06943	108.5 7.0 587 2 JH0464	FOOD TO STORY	100 E 7 0 476 1 37E104	108 5 7 0 470 2 522080	108.5 7.0 243 2 A37982	108.5 7.0 240 2 JC4121	108.5 7.0 233 2 JC5322	109 7.1 402 2 A54312	109 7.1 269 2 A46506	109.5 7.1 1742 2 \$24600	109.5 7.1 1052 2 B49120	109.5 7.1 954 2 151703	109.5 7.1 822 1 A56853	109.5 7.1 618 2 T08685	109.5 7.1 477 1 173631	109.5 7.1 413 2 A37778	109.5 7.1 353 2 G02922	TIU /.1 TIUS / 12003	110 7.1 FORC & DUTOGO	110 71 1040 2 557629	110 7:1 200 2 2007/6	110 7 1 0000 1 110000	110 6 7 3 6650 3 717071	110 5 3 3 3051 3 120018	110 5 7.2 813 1 249123	110.5 7.2 738 2 A40096	110.5 7.2 233 2 825747	110.5 7.2 232 2 \$17399	111 7.2 868 2 JC5701	111 7.2 860 2 005/02	111 /.4 J13 4 UQ1004	111 7 3 112 3 701863	111.5 7.2 3488 2 T34418	111.5 7.2 821 1 TVMSBK	112 7.3 1450 2 A44027	112 7.3 1287 2 T30988	112 7.3 987 2 A88746
105.5 6.8 592 2 525705 105.5 6.8 757 2 145956 105 6.8 253 2 A25687 105 6.8 281 2 H90853	105.5 6.8 335 2 H43354 105.5 6.8 526 2 \$70587	105.5 6.8 326 2 F43354 105.5 6.8 333 2 A43354	105.5 6.8 274 2 A47639 105.5 6.8 324 2 G43354	106 6.9 1298 2 A48999 105.5 6.8 233 2 S25748	106 6.9 850 2 JC5700	106 6.9 259 2 C85630	106.5 6.9 821 1 A39667	106.5 6.9 790 2 A39627	106.5 6.9 474 1 C39667	107 6.9 1142 2 S36845	107 6.9 829 2 JC4583	107 6.9 380 2 123339	107 6 9 268 2 123340	107 5 7 0 2541 2 T2811B	107.5 7.0 764 2 A49448	101 7 7 0 104 2 10417	107 E 7 O E94 2 TE0419	107 6 7 0 240 2 001200	108 7 0 1462 1 B36182	108 7.0 1363 2 I58375	108 7.0 964 2 T15746	108 7.0 940 2 A40985	108 7.0 839 1 173632	108 7.0 825 2 A55178	108 7.0 773 1 QRRBG	108 7.0 612 2 1/3633	100:0 7.0 621 1 00052	108.5 7.0 821 1 S06943	108.5 7.0 587 2 JH0464	FOOD TO STORY	100 E 7 0 476 1 37E104	108 5 7 0 470 2 522080	108.5 7.0 243 2 A37982	108.5 7.0 240 2 JC4121	108.5 7.0 233 2 JC5322	109 7.1 402 2 A54312	109 7.1 269 2 A46506	109.5 7.1 1742 2 \$24600	109.5 7.1 1052 2 B49120	109.5 7.1 954 2 151703	109.5 7.1 822 1 A56853	109.5 7.1 618 2 T08685	109.5 7.1 477 1 173631	109.5 7.1 413 2 A37778	109.5 7.1 353 2 G02922	TIU /.1 TIUS / 12003	110 7.1 FORC & DUTOGO	110 71 1040 2 557629	110 7:1 200 2 2007/6	110 7 1 0000 1 110000	110 6 7 3 6650 3 717071	110 5 3 3 3051 3 120018	110 5 7.2 813 1 249123	110.5 7.2 738 2 A40096	110.5 7.2 233 2 825747	110.5 7.2 232 2 \$17399	111 7.2 868 2 JC5701	111 7.2 860 2 005/02	111 /.4 J13 4 UQ1004	111 7 3 112 3 701863	111.5 7.2 3488 2 T34418	111.5 7.2 821 1 TVMSBK	112 7.3 1450 2 A44027	112 7.3 1287 2 T30988	112 7.3 987 2 A88746
105.5 6.8 592 2 105.5 6.8 757 2 105 6.8 253 2 105 6.8 281 2	105.5 6.8 335 2 H43354 105.5 6.8 526 2 \$70587	105.5 6.8 326 2 F43354 105.5 6.8 333 2 A43354	105.5 6.8 274 2 A47639 105.5 6.8 324 2 G43354	106 6.9 1298 2 A48999 105.5 6.8 233 2 S25748	106 6.9 850 2	106 6.9 259 2 C85630	106.5 6.9 821 1 A39667	106.5 6.9 790 2 A39627	106.5 6.9 474 1 C39667	107 6.9 1142 2	107 6.9 829 2 JC4583	107 6.9 380 2 123339	107 6 9 268 2 123340	107 5 7 0 2541 2 T2811B	107.5 7.0 764 2 A49448	101 7 7 0 104 2 10417	107 E 7 O E94 2 TE0419	107 6 7 0 240 2 001200	108 7 0 1462 1 B36182	108 7.0 1363 2 I58375	108 7.0 964 2 T15746	108 7.0 940 2 A40985	108 7.0 839 1 173632	108 7.0 825 2 A55178	108 7.0 773 1 QRRBG	108 7.0 612 2 1/3633	100:0 7.0 621 1 00052	108.5 7.0 821 1 S06943	108.5 7.0 587 2 JH0464	FOOD TO STORY	100 E 7 0 476 1 37E104	108 5 7 0 470 2 522080	108.5 7.0 243 2 A37982	108.5 7.0 240 2 JC4121	108.5 7.0 233 2 JC5322	109 7.1 402 2 A54312	109 7.1 269 2 A46506	109.5 7.1 1742 2	109.5 7.1 1052 2 B49120	109.5 7.1 954 2 151703	109.5 7.1 822 1 A56853	109.5 7.1 618 2 T08685	109.5 7.1 477 1 173631	109.5 7.1 413 2 A37778	109.5 7.1 353 2 G02922	TIU /.1 TIUS / 12003	110 7.1 FORC & DUTOGO	110 71 1040 2 557629	110 7:1 200 2 2007/6	110 7 1 0000 1 110000	110 6 7 3 6650 3 717071	110 5 3 3 3051 3 120018	110 5 7.2 813 1 249123	110.5 7.2 738 2 A40096	110.5 7.2 233 2 825747	110.5 7.2 232 2 \$17399	111 7.2 868 2 JC5701	111 7.2 860 2 005/02	111 /.4 010 A OQ1004	111 7 3 112 2 201120	111.5 7.2 3488 2 T34418	111.5 7.2 821 1 TVMSBK	112 7.3 1450 2	112 7.3 1287 2 T30988	112 7.3 987 2 A88746

4 4 4 4 4 4 4 4 5 5 1 4 4 5 5 1 4 5 5 1 6 5 6 5 6 5 6 6 6 6 6 6 6 6 6 6 6		413 414 416 417 418 419 419 420 420 420 420 420 420 420 420 420 420	39 39 39 39 39 39 39 39 39 39 39 39 39 3
98.5 9.5 9.5 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7	1000 . 5	103 102.5 102.5 102 102 102 102 101.5 101.5 101.5	1055 1055 1055 1055 1055 1055 1055 1055
	o co		
1398 213 235 290 983 1123 1123 1138 206 235 241 241 261 330 330	3149 315 725 725 725 725 725 725 725 725 725 72	238 318 1088 1647 1647 1210 2210 326 629 999 999 999 279 279 279 279 275 275 275 275 275 275 275 275 275 275	317 351 874 1000 6805 230 240 309 309 309 309 309 309 309 309 309 30
221066 221066 221066 221066 221066 221066 2310666 231066 231066 231066 231066 231066 231066 231066 231066 2310666 231066 231066 231066 231066 231066 231066 231066 231066 2310666 231066 231066 231066 231066 231066 231066 231066 231066 2310666 23106	A61087 HNVZVT E86790 S65739 T16525 S57892 A34509 HLHU3D S25745 D90876 C85692 A40026 C85692 A40026 A56175 A56175 A6175 A6175	990822 9987GA 9287GA 704124 10412 104124 10412 10412 10412 10412 10412 10412 10	3310118 334595 4465248 520901 4417949 526683 528683 528681 528681
hypc MHC Ig I Ig I B161 B161 B162 myos myos myos myos myos myos myos myos	myee hemm hypp bags bass of record o	prob	pree hype hype fit if
thetic characteristics ambda ambda ambda ambda characteristics and characteristics are ambda chambda c	myelin P0 glycopro hemagglutinin prec hypothetical prote basigin precursor hypothetical prote T cell receptor WI Ig light chain C r MHC class II histo Ig lambda chain - major tail protein probable tail comp neurotrophin-3 rec Ig lambda chain pr OX-2 membrane glyc adhesive plaque pr intercellular adhe fibroblast growth protein kinase TMK vascular endotheli	probable major tai hemagglutinin - va platelet-derived g phypothetical prote Ig light chain - r pregnancy-specific Ly-9.2 antigen - m novel cellular pro interleukin-1 rece chondroitin sulfat T-cell receptor de Fc gamma (IgG) rec secretory componen protein-tyrosine k protein-tyrosine k protein-tyrosine k protein-tyrosine k protein-tyrosine k protein-tyrosine k protein-tyrosine k protein-tyrosine k protein-tyrosine k protein-tyrosine k	Fc gamma (IGG) pregnancy-spec hypothetical p titin - rabbit titin - rabbit ig lambda chain ig light chain igne B7.2 prot igmu chain fibroblast gro fibroblast gro fibroblast gro fibroblast gro fibroblast igno fibroblast in pottein - hypothetical p ig lambda - like protein dim-1 glucan 1,4-alp hypothetical p hypothetical p hypothetical p
cal procal procal procal procal procal procal procal procal procase chair chai	glyccining glycccal procal procal procal procal procal prochain in him in chair chair chair chair grane grane gplaque prochair grane gran	inmajor derive derive cal pi chain chain lige lige lige lin-1 i lin sul ceptou compo yrosir yrosir chair chair	mmma (IGG) ancy-speci hetical pr - rabbit - rabbit - rabbit chain mhda chain B7-2 prote B7-2 prote Chain - L Chain -
vac vac vac vac vac pro pro pro pro pro pro pro pro pro pro	ote sore cote sore cote sor will C recin comp recin promp recin promp recin the promp recin promp recipility recipi	taid g d g d g d g d g d g d g d g d g d g	gcific ecific prote (fr (fr (fr) fr) fr) fr) fr) fr)
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5505 5505 5506 5506 5506 5506 5506 5506	# 4 4 4 4 4 4 4 4 4 4 4 0 0 0 0 0 0 0 0	44444444444444444444444444444444444444
92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9966
	1098 1098 11449 1344 234 344 333 975 1177 1154 2254 226 266 266 266 266 268 268 268 268 268		
30247 30247 345052 16052 17243 19423 33440 33440 33440 34891 19423 190618 85058 85058	AZUB34 PPMSR34 AVMS67 S25746 S25746 I14445 F88639 TVMSKT T14594 C42691 HLHU1B HHLHU1B HHLHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH	25594 25594 33766 33766 55050 43529 43529 45721 25897 278770 48721 28452 28452 28452 28452 28452 28452 28452 28452 28452	228804 00390 00390 29258 25744 CWSG1 45803 16385 112216 42284 36607 311HFS 52590 5279 98976 98976 98976 98976

hypothetical prote
Ig gamma chain (cl
Ig lambda chain (c)
Ig collinestricted
Ig glycoprotein prote
Ig glycoprotein prote
Ig glycoprotein protein protein F54E2.4 [i
Ig lambda chain protein protein protein F54E2.4 [i
Ig lambda chain - mouse
Ig lambda chain - mouse
Ig lambda chain - mouse
Ig lambda chain - molar protein pro

ഗ

5666110987 579 579 579 579 579 579 579 579 579 57	5544 5544 5544 5544 5544 5544 5544 554
00000000000000000000000000000000000000	91.5 91.5 91.5
1048 11048 11048 11048 1202 2202 2302 2303 2404 1104 1104 1104 1104 1104 1104 1104	358 391 568 573
22 22 23 25 25 25 25 25 25 25 25 25 25 25 25 25	
S6026 S6026 E339815 E339815 E339816 E336293 A390160 A390160 A390160 A390160 B36282 C27060 B36283 C3705365 C37056	7063 717 804 838
In heavy chain vere plattelet-derived g Ig heavy chain v rogamma chain in stocomp MHC class II histocomp hypothetical prote cadherin-related t tumor suppressor - probable prothetical prote chypothetical prote cadherin-related t tumor suppressor - Ig gamma chain (MM Ig lambda chain - 42K surface glycop glial growth facto hypothetical prote class II histocomp MHC class II histocomp myosin-light-chain - vaneuvotrophic recep myosin-light-chain receptor surface anti Ig heavy chain v rig lambda chain - tumor surface anti Ig alpha chain (rig alpha chain Creptor be hemagglutinin prote protein ryable choline t semaphorin v - hum protein-tyrosine k neurexin III-alpha Ig alpha chain (rig alpha growth factor mucin 6, gastric (tiin - mouse (fra hypothetical prote phypothetical prote phypothetical prote phypothetical prote phypothetical prote phypothetical prote phypothetical prote protein I, 4-alpha-g glucan 1, 4-alpha-g	conserved Lepb1170 Ig mu chai Ig mu chai hypotheti
el antigen rece telet-delived g heavy chain V-5 ell receptor ga ss II histocomp ell surface gly e HLA-DRB1 prote othetical prote othetical prote herin-related t or suppressor - bable proline- ramma chain - surface glycop al growth facto othetical prote othetical prote herin-related t or suppressor - bable proline- ramma chain (MM lambda chain - surface glycop al growth facto othetical prote othetical prote othetical prote heavy chain V r agglutinin prec agglutinin prec agglutinin prec agglutinin prote othetical prote heavy chain C r agglutinin chain C r agglutinin prote othetical prote tell receptor b agglutinin prote chain T24E12.5 (bable choline t alpha chain C r all receptor b agglutinin prote chetical prote othetical pr	served hypolical nu chain on chain of the chain lother ical
cheir veder chain V-5 ecceptor ga hair V-5 ecceptor ga hair V-5 ecceptor ga hair V-5 ecceptor ga histocomp ical prote ical prote ical prote ical prote ical prote proline-r chain (-W a chain - proline receptor ichain V r chain V r chain V r chain V r chain C r protein prote ichain C r ical prote ichain C r ical prote i	hypothet F3_112 pr in C regi in precur
6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	614 615 616 617 618
620 621 622 88.5 622 88.5 622 88.5 622 88.5 622 88.5 622 88.5 623 633 633 633 633 633 633 633	
88888888888888888888888888888888888888	88 89 55 55 55
88888888888888888888888888888888888888	89 5.8 89 5.8 89 5.8
88.5 5.7 186 88.5 5.7 348 2 88.5 5.7 902 2 88.5 5.7 902 2 88.5 5.7 902 2 88.5 5.7 902 2 88.6 5.7 234 2 88.7 234 2 2 88.8 5.7 241 2 88.8 5.7 241 2 88.8 5.7 241 2 88.8 5.7 241 2 88.8 5.7 241 2 88.8 5.7 241 2 88.8 5.7 241 2 88.8 5.7 241 2 88.8 5.7 241 2 88.9 5.7 462 2 88.5 5.7 243 2 87.5 5.7 243 2 87.5 5.7 237 2 87.5 5.6 237 2 87.5 5.6 237 2 87.5 5.6 237 2 87.5 5.6 233 2	89 5.8 1679 2 89 5.8 1691 1 89 5.8 3381 2 89 5.8 13055 2 88.5 5.7 128 2
88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.6 88.6 88.6 88.7 88.6 88.7 88.7 88.8 88.7 88.8 88.7 88.8 88.7 88.8 88.7 88.8 88.8 88.7 88.8 88.7 88.8 88.7 88.8 88.7 88.8 88.8 88.7 88.8 88.8 88.7 88.8 88.8 88.7 88.8	89 5.8 1679 2 89 5.8 1691 1 89 5.8 3381 2 89 5.8 13055 2 88.5 5.7 128 2
88.5 5.7 186 2 19797 88.5 5.7 348 2 209277 88.5 5.7 348 2 209277 88.5 5.7 680 2 JC5999 88.5 5.7 680 2 JC5999 88.5 5.7 1578 2 AD1512 88.6 5.7 1578 2 AD1512 88.8 5.7 241 2 D43273 88.8 5.7 241 2 D43273 88.8 5.7 241 2 D43273 88.8 5.7 451 2 T30603 88.8 5.7 452 2 T30603 88.8 5.7 451 2 T30603 88.8 5.7 405 2 S310603 88.5 5.7 405 2 S310603 88.5 5.7 405 2 S310603 88.5 5.7 1005 2 T18537 87.5 5.7 1099 2 AD273 87.5 5.7 2409 1 A4974 87.5 5.7 2409 1 A4974 87.5 5.7 2409 2 AD273 87.5 5.7 2409 2 AD273 87.5 5.7 2409 2 AD274 87.5 5.6 135 2 T27603 87.5 5.6 235 2 C2893 87.5 5.6 236 2 A4219 88.5 5.6 236 2 A4219 88.6 5.5 5.6 639 2 T617718 88.6 5.6 639 2 T617719 88.6 5.6 5.6 639 2 T617719 88.6 5.6 5.6 639 2 T61772 88.6 5.6 5.6 339 2 JC77519 88.6 5.6 339 2 JC77519	89 5.8 1679 2 T30271 89 5.8 1691 1 D54689 89 5.8 3381 2 T42389 89 5.8 13055 2 T16580 88.5 5.7 128 2 \$24319
88.5 5.7 186 2 161783 Medic club 88.5 5.7 268 2 83977 148 2 8161783 Medic club 88.5 5.7 346 2 809273 2 61288 88.5 5.7 346 2 809273 6 6188 88.5 5.7 1578 2 8195270 6 6188 88.5 5.7 1578 2 849444 19 4 19 4 19 4 19 4 19 4 19 4 19	89 5.8 1679 2 T30271 surf 89 5.8 1691 1 D54689 prot 89 5.8 3381 2 T42389 vers 89 5.8 13055 2 T16580 hypo 88.5 5.7 128 2 \$24319 I9 1

755 756 757 758 759	752 753 754	749 750	747 748	745	743	741 742	740	738	736 737	735	733 734	732	730 731	729	727	726	725	723	722	720	719	717	716	714 715	713	711	710	708	706	705	703	702	700	699	698	696	695	6 9 G	692	691	689	688	, ,
883 83.5 83.5 83.5 84.7	0000	9 8 8 4 4	84 84	886	8 8 8	8 8 4 4	8 4 4	84	8 4 8 4	84	84	84.5	84. 5	84.5	84. 5	84.5	84. 5.	84.5	84. 5	84.5	84. 5	84.5	85 6	р (X)	85 5	85	8 G 5 G	85	9 8 5 5	85.5	, 60 , 50 , 50	85.5	5 5	85.5	85. 5	0 00 0 00 0 00 0 00	85.5	, c	86	ω α σ, σ	8 6	86	D
2109 246 332 354	1054 1227 2109	602 794	472 498	359 452	321	242 247	237	231	220 226	155	98 145	2228	1797 1805	705	526 526	457	448	398	381	355	225	112	3191	1939	1477	327	2 6 9 5	197	117	1715	772	473	400	303	282	266	266	221	983	975	416	367	י מ
2 T33247 2 T33247 2 I59092 2 G83458 2 I54551 2 A30521																																											
247 247 092 458 551	000	769 372 543	459 298	867 U	006	662 662	294	738	290 273	675	624 633	942	889	424	821	961	533	371	174	174	029	232	945	316 076	797	3	540	593	552	128	969	Z,	7 6 3	807	031	509	031	219	583	816	017	790	э п
hypothetical prote HLA-DR beta-chain sulfate-binding pr histocompatibility myeloid cell surfa	alphap integrin - uncharacterized pr protein H05009.1 [acetylcholine rece cadherin 12 - huma nna cyrase subhunit	Ig gamma-1 chain - hypothetical prote	MHC class I protei Iq mu chain C reqi	hypothetical prote Ig alpha chain C r	T-cell surface gly	MHC HLA-DR-beta su	Ig lambda chain -	hypothetical prote MHC class II histo	telokin - rabbit	Ig heavy chain V-V	beta-galactosidase	hypothetical prote	polyribonucleotide	ig mu chain C regi	Ig mu chain C regi	Ig heavy chain C r	Ig V-region-like B	Ig heavy chain - R	D9R protein - vari	I-cell receptor at	Ig heavy chain V r	hypothetical prote	probable S-layer p	tumor supressor pr	Ig gamma-4 chain C	MHC class II beta-	Ig kappa chain (WM	Ig heavy chain V r	Bombyx mori recept	collapsin - chicke	Ig mu chain C regi	hypothetical prote	membrane glycoprot	prostacyclin-stimu	MHC class II HLA-D	MHC class II histo	Ig kappa chain V-C	receptor tyrosine	macrophage colony-	noma-a	muramo	
8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	825 826 827	822 823	820 821	818 819	816 817	814 815	813	811	809 810	808	806 807	805	803 804	802	800	799	798	796	795	793 794	792	790	789	787 788	786	784	783	781	779 780	778	776	775	773	772	771	769	768	766	765	764	762	761	360
81.5 81.5 81.5	8 8 8 8 2 2 2 1	8 8 8 2 2 2	82 82	8 8 1 2 2	8 8 8 2 2	8 8 2 2	88	82	8 8 8 2	82	82.5 82	82.5	82. 5	82.5	82.5 5	82.5	8 8 8 8 2 . 5 5	82. 5	82.5	8 8 2 5 5	82. 5	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	82.5	82. 55	82.5	82.5	82.5	83	B 68	83	ω ω ω α	83	8 8	83	8 8	s &	83	ى 20 00	83.5	83. 5.	83.5	83.5	D D
ហ ហ ហ ហ ហ ហ ស ស ស ស ស																						_		-							-			_		_							
111 121 139 144 212	811 1132 3507	743 764	537 537	367 531	350 352	269 296	260	230	135 146	119	203	1200	91	896	894	812	775	609	269	432	419	395	362	336 336	261	237	129	1036	933	852	537 803	537	5 4 25 6	398	358	247	200	149	: 8	1810	9	627	767
2 PH1573 2 A30551 2 E27639 2 E40098 2 S70431																																											

hypothetical prote ig mu chain precur receptor-protein the densin-180 - rat tensscin precursor genome polyprotein ig heavy chain v r ig heavy chain v r ig heavy chain is beta histocompatibility hypothetical protein e glia-derived nexin neurotrophin-3 rec myosin-binding proprotocompatibility hypothetical protein e kinase c cyrosine kinase c cyrosine kinase c cyrosine kinase meurotrophin-in chick yrosine kinase meurotrophin-in chick yrosine kinase meurotrophin-in chick yrosine kinase my s-layer protein - chick yrosine kinase my s-layer protein pr

ر. در س در	. m ~		m	יים פ	on r	m ar	· (C)	m ~		m ~	. ~	œ	œ ·	o en	œ,	m a	on o	n ~		n ~	on n	o m :	œ ~	m ^	. ~	m ~	. ~ .	n ~		m -	. ~			_				_	m	. ~-	m í	n ~	. ~	m í
000	397	95	93	91	90	88	187	865	84	83	81	081	79	177	76	774	73	371	170	9 8	67	65	6 6 4	62	99		357	in un	354	353	351	350	348	347	346	44	343	342	- 44 - C	339	38	336	335	4
80.5 80.5	282	8 23	81	81	81	9 B	81	18 18	82	29 p	81	81	81 2	81	81	B 81	81	81	81	8 B	m ·				٠,٠			ب د	μ,		μ.		٠,-	۳		٠,		۳!		٠,		- !-	Ρ!	-:
				•		•				•	•	•		•		•		•		•		•	•		•			•						•		•	•			•		•		
105	1902	1827	1146	943	942	566 748	666	454 631	426	378	321	266	252	246	237	217	214	196	144	127	119	1389	953 978	968	790	492 578	492	2 6 Z 2 9 E	362	362	362	362	362	362	362	362	359	358	3 U 5 4	354	354	308	305	285
27639	145764	34288	46837	145082	20287	58169	E0201	1997 1998 1998	36948	46268	71510	29310	46505	01073	28043	B0246	C4156	19794	46642	70444	24672	47796	.89824 .49814	45858	TTUHV	182647 141715	97429	59651	61859	61903	59645	060601	54505	84488	36962	ILHU40	ILHUB4	03538	24440	28616	346877	36956	07115	106913
H H 5	ـــ دـــ ۲	. Tr 0	: Tribe		ir a	n m	77.	п ы	.	T M		7	מ מי	•	~.	a _	.	2			Lu Irr	. ~		0.5	•		· 144 /			,,,		בי זה			כי יכי			•			.	. 99		
g lamb	actoce	ollage:	ypother	eurotro	emapho.	emapho	rotein	niaial G mu cl	д ерві	previce	ypothe	HC cla	TA-DRA	ce11	HC cla	g lamb	g lamb	ypothe	earran	ig lamb	g heav	BC tra	ypothe	туросле Мевтосо	erve g	took as	lgK pr	ymphoc	HC HLA	EC Cla	ILA-B-6	HC HLA	Lymphoc	Lymphoc.	HC cla	部C Cla	MC cla	lass I	lass I	ιγpothe	320R pr	HC Chl	88 I	
cance da cha recept	oin (i	n alpi	tical	ophic	rin A	; <u>;</u> ;	tyro:	hain (lon-cl	antig	tical	88 II	HW) F	Burfac	BB II	da che	da cha	tical	ged T	da ch	y cha:	rodeu	tical	llin -	rowth	BOCIA Fical	otein	yte a	-B14	88 I	701 -	T (cl	yte a	yte ai	88 I	88 I	88 1	hist	hist	tical	otein	A cha	hist	DI) «
or qu	0 C	na 1() prote	prote	recel	prote	. II	gine)	reg:	nain	gen p	prot	histo	Clay	e gly	hieto	in N	ain V	prot	-cell	ain p	in pro	ter-1	prote	- bov	fact	red p	prot	ntige	chain	ni eto	humai	- DUI	ntige	ntige	nisto	histo	histo	Compa	Comp	prot	ev -	in -	ocomp	Deca
						_	_				<u>-</u> .																																	
972 973	969	967 968	986	964	963	196	960	958 836	957	2 0	954	953	95.2 25.2	950	949	947	946	944	942	941	940	938	936	935	933	931	930	928	927	9 9 9 5 5 6 5	924	923	921	920	919 816	917	916	915	913	912	911	909	908	907
			. 0	88	8 a	80	80	8 8 0 0	80	B 60	80	80	30 C	80	80	80	80	80	80	8 8	80	80	80	ຂ ເ	.0		00	9.0		90		99	.0	0	9.0	.0		9	90		99		.0.5	9 9
						•																																						
136 138	131	119	105	1537	1185	1053	942	749 888	708	5 F F F	576	536	4 4	458	432	353	344	266	266	245	243	190	133	118	2123	936	834	706	661	v e v e	476	362	362	362	362 362	362	362	362	362	362	362	355	354	מ מ מ
26471	20334	18555	1PG	53465	46428	55534	23251	386774 37065	G2315	119785	40476	37544	44330	WHUT4	WCZT4	AVZVC	WRTC2	39797	HUSE	329980	E0472	325740)H1286	318556	86348	364384 TNO 711	42702	181943	371427	367815	27618	198191	54442	61905	[59655 [8443]	161906	61864	45850	552486	137492	THUB2	128149	180165	15611c
													-	-		.,		•	Ų I.). O,		. ω .				7.	. 0.	•		0	U .	_ 0	,	_	•					0, -	• •
I-c Ig l hypo	hypo	Ig	Ig .	flo	pro	VLA	load	hypo	יקעה	tra	рур	hypo	bro	T-0	1-0	Bur	T-0	MHC.	MHC	cla	pro	19	Į. PI	ig i	hyp	pro	dkų	pro	hyp	pro	hyp	MHC	NHC MHC	MHC	MHC	MHC	MHC	AHC .	HLA	нца	OHW.	MHC.	cla	MHC
T-cell r Ig kappa hypothet	Ig heavy hypothet	Ig heavy carcinoe	Ig lambd	floccula	propable	VLA-3 al	protein-	hypothet	hypothet	transcri hypothet	hypothet	hypothet	protein	T-cell s	T-cell s	surface	T-cell s	MHC clas	MHC clas	class II	probable	Ig lambd	Ig heavy	myosin-k Ig heavy	hypothet	probable	hypothet	probable	hypothet	protein-	hypothet	MHC HLA-	MHC clas	MHC clas	Tymphocy	MHC clas	MHC HLA-	MHC clas	HLA-B pr	HLA-B al	MHC Clas	MHC clas	class I	MHC class
T-cell receptor al Ig kappa chain pre hypothetical prote	Ig heavy chai hypothetical	Ig heavy chain V carcinoembryonic	Ig lambda cha	floculation prote	probable proc hypothetical	VLA-3 alpha s	protein-tyros	hypothetical prote ufo protein - mous	hypothetical	transcription	hypothetical	hypothetical	procein kin-i	T-cell surfac	T-cell surfac	surface antig	T-cell surfac	MHC class II	MHC class II	class II hist	probable fimb	Ig lambda chain -	Ig heavy chai	myosin-knogar Ig heavy chai	hypothetical	probable memb	hypothetical	probable poly	hypothetical	protein-tyros	hypothetical	MHC HLA-BW4Z,	MHC class I h	MHC class I h	lymphocyte ar MHC HLA-B8 ch	MHC class I h	MHC HLA-Bw41 c	38 G	HLA-B protein alph lymphocyte antigen	pha	1 1 8	. H	팑	8 6
	80.5 5.2 139 2 F27639 T-cell receptor can	81 5.2 1902 2 506997 lactocepin (EC 3.4 969 79.5 5.1 120 2 81 5.2 1902 2 B45764 lactocepin (EC 3.4 970 79.5 5.1 131 2 81 5.2 3343 2 T42207 breast cancer susc 971 79.5 5.1 138 2 80.5 5.2 105 2 B30554 Ig lambda chain C 972 79.5 5.1 138 2 80.5 5.2 139 2 F27639 T-cell receptor ca 973 79.5 5.1 156 2	81 5.2 1747 2 A45974 collagen alpha 1(X 967 79.5 5.1 119 2 811 5.2 1827 2 T34288 hypothetical prote 968 79.5 5.1 119 2 81 5.2 1902 2 S06997 lactrocepin (EC 3.4 969 79.5 5.1 120 2 81 5.2 1902 2 B45764 lactrocepin (EC 3.4 970 79.5 5.1 131 2 81 5.2 3343 2 T42207 breast cancer susc 81 5.2 105 2 B30554 Iglambda chain C 971 79.5 5.1 136 2 80.5 5.2 105 2 B30554 Iglambda chain C 972 79.5 5.1 136 2 80.5 5.2 139 2 F27639 T-cell recentor can 973 79.5 5.1 136 2	81 5.2 1146 2 \$46837 hypothetical prote 966 79.5 5.1 105 1 1	81 5.2 943 2 B45082 neurotrophic recep 81 5.2 943 2 B45082 protein-tyrosine k 81 5.2 1146 2 S46837 hypothetical prote 81 5.2 1147 2 A45974 collagen alpha 1 (X 81 5.2 1827 2 T34288 81 5.2 1827 2 T34288 81 5.2 1902 2 S06997 lactocepin (EC 3.4 81 5.2 1902 2 B45764 lactocepin (EC 3.4 81 5.2 343 2 T42207 lactocepin (EC 3.4 81 5.2 343 2 T42207 lactocepin (EC 3.4 81 5.2 345 2 T45207 lactocepin (EC 3.	81 5.2 943 2 H45082 hypothetical prote 963 80 5.2 1185 2 81 5.2 943 2 B45082 hreurotrophic recep 964 80 5.2 1537 2 81 5.2 943 2 B45082 hreurotrophic recep 964 80 5.2 1537 2 81 5.2 1146 2 S46837 hypothetical prote 965 965 9.5 5.1 105 1 81 5.2 1747 2 A45974 hypothetical prote 966 79.5 5.1 119 2 81 5.2 1827 2 T34288 hrypothetical prote 967 79.5 5.1 119 2 81 5.2 1902 2 S06997 lactocepin (EC 3.4 970 79.5 5.1 120 2 81 5.2 343 2 T42207 lactocepin (EC 3.4 970 79.5 5.1 131 2 80.5 5.2 105 2 B35554 reget alpha Chain C 971 79.5 5.1 136 2 80.5 5.2 139 2 F27639 T-cell receptor GR 973 79.5 5.1 136 2	81 5.2 666 2 IS8169 semaphorin III - m 81 5.2 748 2 IA744 semaphorin A - mou 81 5.2 942 2 T20287 hypothetical prote 81 5.2 943 2 B45082 protein-tyrosine k 81 5.2 1146 2 S46837 hypothetical prote 81 5.2 1146 2 S46837 hypothetical prote 81 5.2 1147 2 A45974 hypothetical prote 81 5.2 1147 2 A45974 hypothetical prote 81 5.2 1827 2 T34288 hypothetical prote 81 5.2 1902 2 S06997 lactocepin (EC 3.4 81 5.2 1902 2 B45764 hypothetical prote 81 5.2 1902 2 B45764 lactocepin (EC 3.4 81 5.2 1903 2 T42207 lactocepin (EC 3.4	81 5.2 666 1 JEOZOI 81 5.2 666 2 IS8169 81 5.2 148 2 IA8744 82 82 82 82 82 82 82 82 82 82 82 82 82 8	## 15.2 45.4 1 MHAY	81 5.2 426 2 136948 Ig epsilon-Chain	### STATE STATE OF THE PROPERTY STATE OF THE	## S.2 321 2 A71510 hypothetical prote ## S.2 351 1 SAVZVV surface antigen pr	81 5.2 266 2 A29310 MHC class II histo 953 80 5.2 536 2 311 SAVZVV surface antigen pr 954 80 5.2 536 2 351 1 SAVZVV surface antigen pr 955 80 5.2 615 2 426 2 136948 II 5.2 378 2 146268 II 6948 II 5.2 426 2 136948 II 5.2 426 2 136948 II 5.2 426 2 136948 II gpsilon-chain - 956 80 5.2 654 2 454 I MHHY II muchain C regi 959 80 5.2 644 2 454 I MHHY II muchain C regi 959 80 5.2 708 2 454 I MHHY II muchain C regi 959 80 5.2 708 2 454 I MHHY II muchain C regi 959 80 5.2 708 2 454 I MHHY II muchain C regi 959 80 5.2 708 2 708	81 5.2 252 2 A45093 81 5.2 266 2 A23310 81 5.2 266 2 A73310 81 5.2 326 2 A73510 81 5.2 326 2 A73510 81 5.2 326 3 A73510 81 5.2 321 1 SAVZVV 81 5.2 328 2 I46268 81 5.2 454 1 MHHY 19 mu chain C regi 81 5.2 666 1 JERO201 81 5.2 666 2 IJERO201 81 5.2 666 2 IJERO201 81 5.2 748 2 I48744 81 5.2 943 2 B45082 81 5.2 943 2 B45082 81 5.2 1146 2 A45837 81 5.2 1146 2 A45837 81 5.2 1147 2 A45974 81 5.2 1147 2 A45974 81 5.2 1147 2 A45974 81 5.2 1148 2 IA6097 81 5.2 1334 2 T42207 81 5.2 1392 2 B45764 81 5.2 139 2 F27639 81 5.2 1156 2 34	## 5.2 246 2 701073	81 5.2 237 2 E28043 MHC Class II histo 949 80 5.2 246 2 T01073 MC Class II histo 949 81 5.2 247 2 I50093 MC Class II histo 952 80 5.2 488 2 252 2 A46505 MC Class II histo 81 5.2 247 2 I50093 MC Class II histo 81 5.2 252 2 A46505 MC Class II histo 81 5.2 252 2 A46505 MC Class II histo 81 5.2 252 2 A46505 MC Class II histo 952 80 5.2 488 2 252 2 A46505 MC Class II histo 952 80 5.2 488 2 252 2 A46505 MC Class II histo 952 80 5.2 488 2 252 2 A4505 MC Class II histo 952 80 5.2 488 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	81 5.2 211 2 J80246	### 15.2 214 2 PC4156 Ig lambda chain V 946 80 5.2 343 1 ### 15.2 217 2 C46482 T-cell surface gly 947 80 5.2 333 1 ### 15.2 217 2 C46482 T-cell surface gly 948 80 5.2 333 1 ### 15.2 217 2 C46482 T-cell surface gly 949 80 5.2 333 1 ### 15.2 217 2 C46482 T-cell surface gly 949 80 5.2 343 1 ### 15.2 247 2 T301073 T cell surface gly 949 80 5.2 432 1 ### 15.2 247 2 T301073 T cell surface gly 949 80 5.2 432 1 ### 15.2 247 2 T301073 T cell surface gly 949 80 5.2 458 1 ### 15.2 247 2 T301073 T cell surface gly 949 80 5.2 458 1 ### 15.2 247 2 T301073 MHC class II histo 951 80 5.2 458 1 ### 15.2 252 2 A46505 S SLA-DRAG (MHC Class II histo 952 80 5.2 458 1 ### 15.2 266 2 A29310 MHC class II histo 953 80 5.2 458 2 ### 15.2 321 2 A71510 MHC class II histo 953 80 5.2 458 2 ### 15.2 321 2 A71510 MHC class II histo 953 80 5.2 458 2 ### 15.2 321 2 A71510 MHC class II histo 953 80 5.2 458 2 ### 15.2 321 2 A71510 MHC class II histo 953 80 5.2 458 2 ### 15.2 321 2 A71510 MHC class II histo 953 80 5.2 468 2 ### 15.2 321 2 A71510 MHC class II histo 953 80 5.2 468 2 ### 15.2 321 2 A71510 MHC class II histo 953 80 5.2 468 2 ### 15.2 321 2 A71510 MHC class II histo 953 80 5.2 468 2 ### 15.2 321 2 A71510 MHC class II histo 953 80 5.2 468 2 ### 15.2 321 2 A71510 MHC class II histo 953 80 5.2 468 2 ### 15.2 321 2 A71510 MHC class II histo 953 80 5.2 468 2 ### 15.2 321 2 A71510 MHC class II histo 953 80 5.2 468 2 ### 15.2 321 2 A71510 MHC class II histo 953 80 5.2 468 2 ### 15.2 321 2 A71510 MHC class II histo 953 80 5.2 468 2 ### 15.2 321 2 A71510 MHC class II histo 953 80 5.2 468 2 ### 15.2 321 2 A71510 MHC class II histo 953 80 5.2 468 2 ### 15.2 321 2 A71510 MHC class II histo 953 80 5.2 468 2 ### 15.2 321 2 A71510 MHC class II histo 953 80 5.2 468 2 ### 15.2 321 2 A71510 MHC class II histo 953 80 5.2 468 2 ### 15.2 321 2 A71510 MHC class II histo 953 80 5.2 468 2 ### 15.2 321 2 A71510 MHC class II histo 953 80 5.2 468 2 ### 15.2 321 2 A71510 MHC class II histo 953 80 5.2 468 2 ### 15.2 321 2 A71510 MHC class II histo 953 80 5.2 468 2	81 5.2 196 2 T19794 hypothetical prote gly 81 5.2 216 2 E46482 T-cell surface gly 94 80 5.2 236 2 81 5.2 214 2 FC4156 Ig lambda chain v 91 94 80 5.2 334 1 81 5.2 217 2 JE2046 Ig lambda chain v 94 80 5.2 334 1 81 5.2 221 2 C46482 MHC class II histo 94 94 80 5.2 333 1 81 5.2 221 2 C46482 MHC class II histo 94 94 80 5.2 333 1 81 5.2 246 2 T01073 MEC class II histo 94 95 80 5.2 458 1 81 5.2 246 2 T01073 MEC class II histo 95 80 5.2 458 1 81 5.2 246 2 A23310 hypothetical prote 95 80 5.2 488 2 81 5.2 25 2 A46505 MAC class II histo 95 80 5.2 488 2 81 5.2 266 2 A23310 hypothetical prote 95 80 5.2 56 2 81 5.2 351 1 SAVZVV birthetical prote 95 80 5.2 56 2 81 5.2 351 2 SAVZVV birthetical prote 95 80 5.2 56 2 81 5.2 448 2 81 5.2 448 2 81 5.2 448 2 81 5.2 448 2 81 5.2 448 2 81 5.2 448 2 81 5.2 448 2 81 5.2 448 2 81 5.2 448 2 81 5.2 448 2 81 5.2 2 81 66 1 JE257 birthetical prote 95 80 5.2 708 2 81 5.2 666 1 JE257 birthetical prote 95 80 5.2 708 2 81 5.2 448 2 81 5.2 148 2	### 15.2 144 2 1166.22 Trearranged T-cell surface gly 945 80 5.2 236 1	S. 2 127 2 270444 Ig heavy chain pr 941 80 5.2 245 246 2 146642 rearranged T-cell 943 80 5.2 246 2 246	1 1 2 2 2 2 2 2 2 2	### St. 3 1598 2 747799 ARC Transporter-11 ### St. 2 1199 2 247479 2 2 2 2 2 2 2 2 2	81.5 5.3 953 C09824 hypothetical proce 937 80 5.2 133 281.5 5.3 1978 1 A49814 protein-tycoline k 937 80 5.2 144 81.5 5.3 1559 1 55475 probable membrane 939 80 5.2 149 81.5 5.3 1559 1 55477 probable membrane 939 80 5.2 243 81 5.2 119 2 A24672 Ig hanbde chain pr 941 80 5.2 243 81 5.2 117 2 F070174 Ig lambde chain pr 941 80 5.2 244 81 5.2 117 2 F070174 Ig lambde chain NI 947 80 5.2 246 81 5.2 217 2 F070174 Ig lambde chain NI 947 80 5.2 246 81 5.2 217 2 F070174 Ig lambde chain NI 947 80 5.2 246 81 5.2 217 2 F070174 Ig lambde chain NI 947 80 5.2 246 81 5.2 217 2 F070173 Ig lambde chain NI 947 80 5.2 246 81 5.2 247 2 F070173 Ig lambde chain NI 947 80 5.2 246 81 5.2 247 2 F070173 Ig lambde chain NI 947 80 5.2 331 81 5.2 247 2 F070173 Ig lambde chain NI 947 80 5.2 349 81 5.2 247 2 F070173 Ig lambde chain NI 947 80 5.2 349 81 5.2 247 2 F070173 Ig lambde chain NI 947 80 5.2 349 81 5.2 247 2 F070173 Ig lambde chain NI 947 80 5.2 349 81 5.2 247 2 F070173 Ig lambde chain NI 947 80 5.2 349 81 5.2 247 2 F070173 Ig lambde chain NI 947 80 5.2 349 81 5.2 247 2 F070173 Ig lambde chain NI 947 80 5.2 349 81 5.2 247 2 F070173 Ig lambde chain NI 947 80 5.2 349 81 5.2 247 2 F070173 Ig lambde chain NI 947 80 5.2 349 81 5.2 247 2 F070173 Ig lambde chain NI 947 80 5.2 349 81 5.2 247 2 F070173 Ig lambde chain NI 947 80 5.2 349 81 5.2 247 2 F070173 Ig lambde chain NI 947 80 5.2 349 81 5.2 247 2 F070173 Ig lambde chain NI 947 80 5.2 349 81 5.2 247 2 F070173 Ig lambde chain NI 947 80 5.2 349 81 5.2 247 2 F070173 Ig lambde chain NI 947 80 5.2 349 81 5.2 247 2 F070173 Ig lambde chain NI 947 80 5.2 349 81 5.2 247 2 F070173 Ig lambde chain NI 947 80 5.2 349 81 5.2 247 2 F070173 Ig lambde chain NI 947 80 5.2 349 81 5.2 244 81 5.2 247	### State	81.5 5.3 950 TWHTT: higher bypothetical provise factor of the control of the cont	## 19.5 5.3 79.6 741715 Propositional profit 5.3 79.6	### 13.5 5.3 432 A 397429 Figure Process Proce	81.5 5.3 3652 2 159651 81.6 5.3 3652 2 159652 81.6 5.3 3652 2 159653 81.6 5.3 3652 2 159652 81.6 5.3 3652 2 159652 81.6 5.3 3652 2 159652 81.6 5.3 3652 2 14972 81.6 5.3 3672 2 14972 81.7 174475 81.7 174475 81.8 5.3 3952 2 149855 81.8 5.3 3952 2 149855 81.8 5.3 3952 2 149854 81.5 5.3 3952 2 149854 81.5 5.3 3952 2 149854 81.5 5.3 3952 2 149854 81.5 5.3 1989 2 149854 81.5 5.3 1989 2 149854 81.5 5.3 1989 2 149854 81.5 5.3 1989 2 149854 81.5 5.3 1989 2 149854 81.5 5.3 1989 2 149854 81.5 5.3 1989 2 149854 81.5 5.3 1989 2 149854 81.5 5.3 1989 2 149854 81.5 5.3 1989 2 149854 81.6 2 1192 2 14	1.5 5.3 5.2 2 151655	13.5 5.3 322 2 16850 MRC class histoco 925 80.5 5.2 665 80.5 5.3 362 2 16850 MRC class histoco 926 80.5 5.2 665 80.5 5.3 362 2 16850 MRC class histoco 926 80.5 5.2 665 80.5 5.3 362 2 16850 MRC class histoco 926 80.5 5.2 665 80.5 665 80.5 80.5 665 80.5 80.5 665 80.5 80.5 665 80.5 80.5 665 80.5 80.5 665 80.5 665 80.5 80.5 665 80.5 80.5 665 80.5 8	1.5 5.3 362 2 159845 HiA-B-6701 Hiaman 101.5 5.3 362 2 16980 MRC class I histocc 252 80.5 5.2 365 2 365	Section Sect	1.5 5.3 362 2 35400 1 2 2 2 2 2 2 2 2 2	81.5 5.3 362 19448	### STATES 114365 March Class 1 14466 March Class March Class March Class March Class	### 1,150	### St. 3.39 H.HURN	Signature Sign	Class Hardway Class Harcompany Class Ha	11.5 5.3 354 2 728616	Signature Sign	### China Chair Color Colo	Section 1997 1

1047 1048 1049 1050	1044	1042	1040	1038 1039	1036	1035	1033	1032	1030	1029	1028	1026	1025	1024	2201 2201	1021	1020	1019	1017	1016	1014	1013	1012	1010	1009	1008	1007	1005	1004	1003	1001	1000	999	800	996	995	994	993	992	990	9 9	9 8	987	986	985	984	983	982	981	980	9/9
79 79 79	79 79	7.9	9.9	79.5 79.5			9.9	9.	• ဗ		ω.	o yo	.9	9:	אַ מ	9.0	9		9.0	9	9.9		9 :	ە بە	.9	9	9 4	o ye	9	9	o بe	۰	9		φ	ø	φ	وَ	٠	ō٧	ō y	o ve	9	9	9	9	9	9	ø.		٠
,,,,,,	5 5 5 7	5.5	 	5.1 5.1	5.1	5.1	, <u>,</u>	5.1	n 5	5.1	5 t		5.1	5.1	, L	, i	5.1	5.1	n 5.	5.1	5.1	5.1	 	, i	5.1	5.1	5 U	י ני	5.		л (- -	5.1	5 (1	л <u>г</u>	, <u>,</u>	5.1	5.1	5.1	5 .		л <u>.</u>	n .	י ני	. 5.	5.1	5.1	, 5 , 1	5.1	5.1	5.1	٠.۲
22440 22440																																																			
2 PH1482 2 S23044 2 S29982 2 S69786																																																			
Ig head Ig head Ig T-cell Class progK prog	Ig heav	large of carcino	hypothe	macropl cartile	S-recel protein	killer	serine-	uptake	C4-dica	UDP-N-acety	hypothe	Class	class	WHC HL	MHC CL	MHC CL	WHC HI	MHC cla	gene HI	lymphoc	MHC cla	MHC class	MHC cla	MHC HL	gene HI	HLA-B*	major)	MHC CL	WHC HIL	MHC cli	HLA-B*:	lympho	MHC cl.	MHC CT	MHC CL	MHC cl	MHC cla	WHC HL	transmo	WIA-B+I	dre fie	Class.	Class.	class I h	probable m	conser	probab	threon	hypothetic	H+-trai	nypothetical
eavy chain V r ll receptor ga Il receptor ga Il instocomp protein - Sal	Ig heavy chain V r T-cell receptor be	repetitive p	e invasin Y	nage colony- nge intermed	tor kinase	cell inhibi	rich protei	of C4-dicar	of Cardicar	cetylglucos	tical prote	tocomp	histocompa	1-B18 chain	1-B CELL SUF	ass I histoc	1-B cell sur		A-B protein	ar	-	I lymph	н н	Ãi⊢	-151		nistocompati	188 I histoc	1-B transmem	C class I histoc	seg T bigtoc	O	н,	 		H	H	cel	rane glv	10101	9.0	Chair C	1850	istocomp	le membrane	red hypothet	le replicati	ne ammonia-	etical prote	ing t	scicar proce
1120 1121 1122 1123	1117 1118 1119	1116	1113	1111	1110	1108	1106	1105	1103	1102	1101	1099	1098	1097	1096	1094	1093	1092	1090	1089	1088	1086	1085	1083	1082	1081	1080	1078	1077	1076	1075	1073	1072	1071	1069	1068	1067	1066	1065	1064	2901	1061	1000	1059	1058	1057	1056	1055	1054	1053	7007
78 78 78				78 78	78	78	٦.°	80	ο Θ	78.5		ω .α	. 80		Φ.	۰ .		æ :	οœ	8	ω.			D (E	. 8		œ :	۰.		8	Σ α	8	۳:	⊃ :	oœ	. 80	8	79	79	79	70	7 /	, 'c	79	79	79	79	79	79	79	
							•		•			•	•			•						•		•	•			•	•			•					5.1	5.1	5 (-)	л (- ,		7 L	1 U	י ני יי ני		۰ ر. در د		, _,	, j.	5.2	
550 440 550 550	338 400 402	254 299	252 253	233 239	137	127	1965	1821	1378	740	719	713	576	556	518	477	453	450	6 C C	362	362	υ υ υ υ υ υ υ υ	354	ט נ. זי ני 4 4	335	326	266	264	248	239	220	182	139	116	125	114	109	1902	1854	1600	1096	9 0	1 4 7	479	430	421	376	3 U 5 U 5 U	351	333	
2 S31436 2 JL0144 2 JL0145 2 AI1163																																																			
																						class I histocompa																													
Ig upsilon cha interleukin-6 interleukin-6 interleukin-6 flagellar basa vacuolar sorti		probab.	O I	121 721	нь		fat protein - Syne	hypothetical p	걸	ne	£ :	2 3	15	3	77	2 2	ĘI	Ig mu chain C regi	i Bec	lymphocyte adhesio	MA S	ž Č	cle	cle cle	Z.	tra	င္ပိုင္ပ	3 3	.₹	probable VAMP-asso	ž P	Ŧ	7	ı t	1 5	ij	ΕĪ	la	27	מי מ	g ,ç	ې رو	סי ג	υ	- 5		٠.		0	ij	ć

methionine adenosy Ig gamma-2b chain conserved hypothet interleukin-6 rece

1191 1192 1193 1194 1195 1196 1196	1187 1188 1189 1190	1184 1185 1186	1182	1180	1177	1174 1175 1176	1172 1173	1170 1171	1168 1169	1166 1167	1164 1165	1162 1163	1161	1158 1159	1156 1157	1154 1155	1153	1151	1149	1147	1145 1146	1143 1144	1142	1140	1138	1137	121	1133 1134	1131 1132	1130	1128	S
						777	77	77 77	77 77	77	77 77	77 77	77 77	77	77	77	77	77	77	77	77 77	77	77	17:	77	77	;					
777777777777777777777777777777777777777	7777	777	33:	333	1 7 7																						-1.	78 78	78 78	78	78	78 78
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						· • •																						5.1	5.1	5.2	55.	л <u>г</u>
350 353 355 357	219 229 259 259	140 144 216	140	135	118 130	1452 2044 4302	1441 1452	1073 1353	1027	966 987	634 679	555 590	477 498	462 465	391 430	350 382	348	300	2000	250	241 249	232 237	219	150	134	119	2287	1188	1081	902	875	744
N N N N N N N																																
146608 151541 B53250 151309 180169 S09269 S09265	PC4203 A48381 A98049 F95181	PH1483 PH1284 S69130	HVMSG7 A36194	PC1214 PH1492 PH1997	B32536 S04542	S17670 AB1180 A38971	A86685 S17669	B36429 T00249	D85757 H90861	H97717 E70808	C96541 S06000	JQ1526 B86440	H75026 S11246	AH1184 A44498	MHHUBT T28143	154308 T46519	T15747 S09270	T34071	T26976	A28564	H96691 S69340	HLMSE2 A21200	A29128	PN0444	A45893 B40463	S45714	T21312	JC4889 T14578	T31094 C96622	T47966 D72644	H90371	A43353
	S S M.		55.		·	פַיפַיּ	פַיפ	, Ε.	. G. G.	, e a	מ מ	'd t	E 2.	7 K	t H	얼몰	Ä.	E.E.		ر سر ج	#.B	i ii	3 5	. !	<u> </u>	H.	:E:	g 'Q'	g g	22	מַט״	7 20
MHC PD6-glycoprote MHC class I antige class I histocompa major histocompati class I histocompa Ig alpha chain C r Ig alpha chain C r	nser	Ig heavy chain V r Ig heavy chain pre Ig lambda chain (D	hear hear	y kap	cell cell	cote1	copha	ntegr:	robab	poth)-for	nterl	ligop G-3	wall associated pr radial spoke prote	g mu)	cobab.	poth alp	Poet P	date of the	odd	hypothetic Io heavy c	22	in ea	Ig hea	-cell	y kap	poth	ridaot Tidaot	robab	hypothetical prote	rotei	ecites
5-gly ass I his nisto nisto na ch	pa ch ved h	oda ch ch ch	당 5 5 5	5 5 5 5 5 8	rece	n-tyr Le pe	ge pi n-tyr	in al rotei	le ef le mu	etica le PP	mylte llin-	eukin le pr	eptid orote	ssoci spok	heavy n 1 h	A 871 le gl	etica ha ch	etica	etica	cyte	etica vv ch	lass I lass I	PO 1	avy ch	rece	vych	etica	atidy	e ant le AT	etica etica	nase	B Sia
copro anti tocom compa tocom	i his	ain V ain F hain	ain (ain K	ptor	osine ptido	1 pro	pha-6 n - i	flux	i pro	trahy	oteir	e abo	ated e pro	omolo	ycosy	ain C	brd 1	ord i	funct	cal prote	ass II histo ass II histo	protein	chain V	road	ain V	ord T	linos	igen Pase	l pro	[impo	logly
a popular r a a a a a a a r r	er er o	O e r	7 6 6	7 7 6	al be	d in	d-g	¥ 0	g g	e e	n à	× 6	0 r	r a	ğ s	ima 1	r 0	e 0	9 6	Ö	HI	0 0	dag	н (, <u>P</u>	7 17	te	2 t	F2	ot e) Tr	8
																																
1264 1265 1266 1267 1268 1269 1270	1263 1263	1251 1258	125	125	125	124	1249 1246	1243 1244	1241 1241	1239 1240	123; 123;	1239 123	123	1231 1231	1229	122	122	122	122	1220	1218	121	121	121	121	1210	120	120	120	120	120	1199
	- 10 / 0																				.	~ 0,	V	٠	•	-		7 01	U. 12-	ω.υ	, – 、	- •
76 76 76	76 76	76 76	ი ი	ת מסת		76.5	ი ი	σσ	ი ი	ი ი	തെ	ი ი	ი ი	ი ი	თ თ	6 6	. თ. თ	, on a	\ o \ a		77	77 77	77	17:	77	77	77	77	77	77	177	17
44444 0000000																																
192 223 233 234 238 241 264	139 140 141 142	120 133 138	2809	1248	849 938	709 771	621 671	549 574	456 510	419 448	370 418	365 365	362 365	362 362	353 357	315 317	262	220	139	3034	1087 1802	986 991	829	803	726 772	700	613	5 6 9 5 6 9	499 516	490	468	405

I39464 I46696 I55654 S01320 S01320 I71907 I48657 HLMSE1	131678 111498 57007 54241	\$0089 45927 21810	30213 L0084	55862 89874	04242 F1772	25814 04859	38467 83934	75356	38221 45571	38445	96687	54416	77963	40730 61861	11133	37442	01562	25925	54231	14119	69703	78843	46536	04190	133998 48747	86296	27528	10042	49422	14433	41242	2MSBM

reproductive meris fructose phosphotr reproductive meris fructose phosphotr rectal prote phosphotr related prot related prote acetylcholinesters hypothetical prote semaphorin D - mou subtilisin-like protein-tell p

hypothetical prote interferon alpha-l intercellular adhe	hypothetical prote	hypothe	gene HLA brevican	MHC class I histoc	T-cell	probab.	Ig alpl	interf	interf	B5R pr	MHC CI	Fc gam	Ig heav	MHC cl	To kan	Ig heav	Ig heav	Ig upsi	Id lamb	1g kapp	hypothe	protein	ATP bin	probabl	probable membrane	chitina	a-agglu	secrete	probabl	hypothe	interce	Ig gamm	hypothe	hypothe	Ig mu c	serine-	butyrop	transcr	pyrothe	class I	probabl	1 888 J	Ig alph	class 1	conserv	Ig neav	Ig heav	Ig heav	Ig heav	Ig kapp	Ig heav	Id heav	To lamb
2 E84853 2 I39073 2 PC4025																																																					
.8 473 .8 515 .8 528	· · · ·	œ		8	ω .	ο α	. &		. 8		ò	8	8	œ c	α		œ	8		· œ	ώ.	٠	•	ώ.	۰	•	ە ن	•	•	· •	•	•	ى ن	•		o io	ώ.	<u>ن</u> و:	ى د	ى ن	· .	٠,	· •	۰	<u>ن</u> ز	o 'c	٠.	٠ ن	ء نو	ο •	<u>ن</u> و ز	•	ى: م
74.5 74.5 4 74.5 4	 u uu u	1 (7)	 	4.5	 	υ. υ.	1 55	.5	5	5	n .c	5	.5	 UI (л. О	4.	4.5	.5		n u	75								75 4						75																		
1413 1414 1415	1412	41	4 4	40	4 4	4 6	4.	40	40	4	ىن د 9 0	39	ü	w i	ט ע פיע	üω	3	S	نا سا 80 ما	ມ່ພ	3	8	300	ພິເ	1381	ພໍເ	1378	ω 7	ωi	1374	ü	ωį	سا بر د	üω	1368	ıω	ω	ن ز	ب د د	မှု	1360	ມ່ເ	, iu	ü	ալ	ມ່ມ	į.	ພູເ	ين بر	ىند	1347	1346	7247
protein-tyrosine k probable peptidogl bacillopeptidase F	subtilisin like pr	tyrosine kinase re	brevican precursor hypothetical prote	probable adenylate	hypothetical prote	hypornerical proce	transducer protein	Htr4 transducer [i	probable Pto kinas	hypothetical prote	hypothetical prote	hypothetical prote	mei-1 protein - Ca	hypothetical prote	regula is protein -	UDP-N-acetylglucos	flagellar hook pro	flagellar hook pro	opaque 2 protein -	MHC class I protei	MHC class I histoc	class I histocompa	glycoprotein - ate	Ig mu chain C regi	lipoprotein [impor	procein tio - acer	class II histocomp	Ig kappa chain NIG	T-cell receptor al	rearranged T-cell	Ig kappa chain pre	Ig heavy chain V r	nypornerical proce	hypothetical prote	conserved hypothet	killer cell inhibi	TonB-dependent rec	hypothetical prote	polynucieotide pho	matrix metalloprot	NPK1-related prote	flacellar basalabo	Ig gamma-2b chain	ig heavy chain - h	paired box transcr	proteinage inhibit	Fc gamma (IgG) rec	hfckn - human	MHC CLASS I histocompa	guanine nucleotide	T-cell receptor al	z Class II r R-dependent	Class II I
1 S57846 2 AC1347 1 A36734	2 H9729	2 T1303	2 S5765 2 T2310	2 D7148	2 T2146	2 T1650	2 T4889	2 F8423	2 F8638	2 T2102	2 57696	2 T4691	2 \$4786	2 T2431	2 A2/44	2 A8124	2 AI152	2 AI116	2 54249	2 I3696	2 T2815	2 \$1819	2 T4296	2 \$2564	2 AF040	2 PS001	2 S1788	2 JE024	2 \$3747	2 14663	1 KVMSM	2 \$3720	2 1.461.2	2 57688	2 G9028	2 JC589	2 H8727	2 T2486	2 AD090	2 13802	2 A9659	TITES	2 80132	2 \$1559	1 84369	2 B2749	1 A3987	2 13872	2 A4589	N	2 85749	2 A3U52	2 2050
4.9 1125 4.9 1152 4.9 1433		. •		Ģ	٠ ن	ى: م	ο .	6		<u>ن</u> ن	ی د	.9	Ġ	<u>ن</u> و	ى ن	•		· o	. ·	o io		٠		<u>ه</u> .	9	io i	o .	٠	٠ ن	ο .	ė	٠ ن	ە ئو	φ.		ی د	·	<u>ن</u> ز	٠.	6	· 6 :	ى ن	φ.	9		o .		٠ ن	٠.	· •	٠. :	ى م	. ه
75.5 75.5	75.5 n 5	75.5	75.5 75.5	75.5	75.5	7 / v n v	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5 5	75.5	75.5	75.5	75.5	75.5	75 5	76	76	76	76	76	76	76	76	76	76	76	76	76 76	76	76	76	76	76	76	7,0

1478 1479 1480 1481 1482 1483 1483 1484 1484 1486 1486 1488	44444444444	1445 1446 1448 1449 1459 1452 1453 1453 1455 1455 1456 1456 1466 1466 1466	14117 14118 14120 14220 14221 14223 14223 14223 14223 14223 14223 14229 14230 14331 14433 14433 14433 14433 14433 14434 14434
77777777777777777777777777777777777777	77777777777777777777777777777777777777	77777777777777777777777777777777777777	77777777777777777777777777777777777777
			444444444444444444444444
			552 643 7710 761 806 812 839 863 988 992 11116 11116 11116 11118 11118 11118 11118 11118 11118
165106 185979 18491134 18702173 18702173 18702173 187031 1	144483 1624 1614884 1614884 162521 1662521 1662521 166252 1706930 1706930 1706930 1706930 1706930 1706930 1706930	146643 146643 354244 446936 1445936 145936 145936 145936 145936 147092 147092 147092 147092 147092 147092 147093 1	A31401 A44068 AC2199 S63598 IJBODE E69424 WMECOF IJMOOF T444423 T32836 A549126 A549128 A5491
polyribonuclectide pho polynuclectide pho polynuclectide pho ABC transporter-li semaphorin III fam hypothetical prote receptor tyrosine unknown protein F1 HPT layer surface BH-protocadherin P hypothetical prote BH-protocadherin P	n (EC n resinate properties of the control of the c	Ig heavy chain V r rearranged T-cell Ig heavy chain pre Ig heavy chain in Ig heavy chain chain Ig gamma chain (cl MHC lymphocyte ant MHC class II histocomp MHC class II histocomp MHC OVAR-DQ-ALPHA-MHC Class II histocomp MHC class II histocomp in Ig alpha chain C r class I histocompa MHC class I prote Ig alpha chain C r class I histocompa MHC class I prote in hypothetical prote hypothetical prote hypothetical prote probable HlyD fami	macrophage colony- cell pattern forma phosphoenolpyruvat cyclomaltodextrin desmocollin la - b hypothetical prote outer membrane ush desmocollin lb pre chitinase (EC 3.2. brevican precursor brevican precursor brevican precursor hypothetical prote protein-tyrosine k protein-tyrosine k protein-tyrosine k protein-tyrosine k protein-tyrosine protein-tyrotein protein-tyrosine k protein-tyrotein prec adhesin homolog lm hypothetical prote hypothetical prote hypothetical prote lig heavy chain v r Ig heavy chain v r

1500	1499	1498	1497	1496	1495	1494	1493	1492	1491	1490
73.5	74	74	74	74	74	74	74	74	74	74
4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
116	4436	3716	3705	2508	1962	1483	1417	1417	1353	1251
L	N	N	N	N	N	N	N	N	N	N
HVMS1B	E71086	图70969	AD0123	S61441	A32634	C97012	D85521	H90670	T19691	T21389
Ig heavy chain pre	hypothetical prote	probable PPE prote	probable autotrans	surface-associated	lactocepin (EC 3.4	probably celluloso	probable adhesin e	probable invasin [hypothetical prote	hypothetical prote

ALIGNMENTS

II histo	DO-ALPHA-	II beta	II histo	ocyte ant	chain (cl	vy chain	chain pre	d T-cell	chain V r	chain V6	chain V r	cal prote	cal prote	omolog lm	tein prec	/rosine k	nembrane	ein - mou	rosine k	rosine k	cal prote	precursor	precursor	(EC 3.2.	in 1b pre	orane ush	cal prote	in 1a - b	odextrin	olpyruvat	ern forma					

junctional adhesion molecule precursor - human

NALternate names: Fil platelet antigen; platelet adhesion molecule PAM-1; platelet Fil

C;Species: Homo sapiens (man)

C;Date: 27-Oct-1995 #sequence_revision 01-Feb-2002 #text_change 09-Jul-2004

C;Accession: A59406; S56749

J. Immunol. 163, 553-557, 199

A;Title: Cutting edge: combined treatment of TNF-alpha and IFN-gamma causes redistributi

A;Reference number: A59406; MUID:99323940; PMID:10395639

A;Reference number: A59406

A;Status: preliminary

A;Status: preliminary A; Molecule type: DNA A; Residues: 1-299 <OZA>

ΡI

ø

A;Cross-references: UNIPROT:Q9Y624; UNIPARC:UPI000000DC1; GB:AAD42050; NID:g5326797; R;Nalk, U.P.; Bhrlich, Y.H.; Kornecki, E. Biochem. J. 310, 155-162, 1995
A;Title: Mechanisms of platelet activation by a stimulatory antibody: cross-linking of A;Reference number: S56749; MUID:95374438; PMID:7646439 A; Accession: S56749 œ.

A, Molecule type: protein
A, Molecule type: protein
A; Residues: 28-49, 'X', 51-53;62-73, 'E', 75-103;123, 'F', 125-130; 'FDKDXTIYLNXY'; 'LT', 206, 'X'
A; Residues: 28-49, 'X', 51-53;62-73, 'E', 75-103;123, 'F', 125-130; 'FDKDXTIYLNXY'; 'LT', 206, 'X'
A; Cross-references: UNIPARC:UPI00001468D1;
A; Cross-references: UNIPARC:UPI00001468D1;
A; Genetics:
C; Genetics:
A; Genetics:
A; Gene: JAM
C; Keywords: glycoprotein; phosphoprotein; platelet aggregation; platelet membrane
F; 1-25/Domain: signal sequence #status predicted <SIG>
F; 26-299/Product: junctional adhesion molecule #status predicted <MAT>

ર્ 밁 ঠ 문 ঠ 밁 ঠ 문 ঠ Query Match Best Local Similarity Matches 299; Conserv 181 181 121 241 121 61 61 H μ AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV 299 RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV 240 EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST 180 EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG 120 EWKFDQGDTTRLYCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG 120 MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST 100.0%; Score 1544; DB 2; ilarity 100.0%; Pred. No. 3.3e-105; Conservative 0; Mismatches 0; Indels Length 299; 0, Gaps 180 60 0

```
RESULT 3
138346
elastic titin - human (fragment)
C;Species: Homo sapiens (man)
C;Dete: 29-May-1998 #sequence_revision 29-May-1998 #text_change 09-Jul-2004
C;Accession: 138346
R;Labeit, S:; Kolmerer, B.
Science 270, 293-296, 1995
A;Title: Titins: giant proteins in charge of muscle ultrastructure and elasticity.
A;Reference number: A57430; MUID:96026330; PMID:7569978
A;Accession: 138346
A;Scatus: preliminary; translated from GB/EMBL/DDBJ
**Marchard** MENA**
                                                                                                                                                                                                                                               A;Gene: GDB:TTN
A;Cross-references: GDB:127867; OMIM:188840
A:Map position: 2q31-2q31
                                                                                                                                                                                                                                                                                                                                     A;Molecule type: mRNA
A;Residues: 1-7962 <RES>
A;Cross-references: UNIPROT:Q10465; UNIPARC:UPI000011010C; EMBL:X90569; NID:g1017426; PI
C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Biochem. Biophys. Res. Commun. 288, 805-808, 2001
A;Title: Characterization of a cDNA encoding the bovine coxsackie and adenovirus
A;Reference number: JC7780
A;Contents: Liver
A;Accession: JC7780
A;Molecule type: mRNA
A;Residues: 1-365 <THO>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    coxsackie- and adenovirus receptor - bovine C;Species: Bos primigenius taurus (cattle) C;Date: 02-Apr-2002 #sequence_revision 02-Apr-2002 #text_change 09-Jul-2004 C;Dates 02-Apr-2002 #sequence_revision 02-Apr-2002 #text_change 09-Jul-2004 C;Accession: JC7780 R;Thoelen, I.; Keyserts, E.; Lindberg, M.; Van Ranst, M. Biochem. Biophys. Res. Commun. 288, 805-808, 2001
  밁
                                       ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A;Residues: 1-365 <THO>
A;Cross-references: UNIPROT:Q8WMV3; UNIPARC:UPI00000889CD; GB:AY033651
C;Comment: This protein serves as the primary adenoviral attachment site
                                                                                      밁
                                                                                                                             გ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ફ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         JC7780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best
                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                   Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       110 MVSBEGGNSYGEVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFK-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   61 PADNQKVDQVIILYSGDKIYDDYYQDLKGRVHFTSNDLKSGDASINVTNLQLSDIGTYQC
                                                                                                                                    42
                                                                                                                                                                                70;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14 LFILAILLCSLA--LGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPR-----VEWKFD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          w
                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Similarity
EDSGDYIC----EAHNGVGDASCSTALTVKAPPVFTQKPS---PVGALKGSDVILQC-EI
                                            EDTGTYTCMVSEEGGNSYGEV--KVKLIVLVPP---SKPTVNIPSSATIGNRAVLTCSEQ 156
                                                                                        QGESIQLECKISGSPEIKVSWFRNDSELHESWKYN----MSFINSVALL----TINEASA
                                                                                                                                  ENNPVKLSCAYSGFSSPRVEWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTR 101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RLDVVPPSNRAGTIAGAVIGTLLALVLIALIVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RMEAV--ERNVGVIVAAV---LVTLILLGILVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             KVKKAPG--VGNKKIQLTVLVKPSGIRCYVDGSEEIGNDFKLKCEPKEGSLPLRYEWQKL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             QGDTTR----LVCYN-NKITASY----EDRVTF----LPTGITFKSVTR---EDTGTYTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -DGIVMPTNPKSTRAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAV 227
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LLLRFLLLCGVADFTRGLSITTPEQMIEKAKGETAYLPCKFT--LGPEDQGPLDIEWLLS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                Conservative
                                                                                                                                                                                                 12.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12.7%; Score 196; DB 2; 27.1%; Pred. No. 5.5e-07;
                                                                                                                                                                                39;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  42;
                                                                                                                                                                                                     Score 189.5; DB 2; Pred. No. 5.6e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SWLPEMTSPVISVKNASAEYSGTYTCTVRNRVGSDQC--LL
                                                                                                                                                                                Mismatches 115;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    109;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 365
                                                                                                                                                                                Indels
                                                                                                                                                                                                                        Length 7962;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                47;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  48;
                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9
                                                                                        3094
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         225
                                                                                                                                                                                11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          bovine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  recept
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cell
```

```
J. Immunol. 151, 175-187, 1993
A;Title: Organization of the murine Cd22 locus. Mapping A;Reference number: I49583; MUID:93315834; PMID:8100843
A;Accession: I49583
A;Cross-references: UNIPARC:UPI000017C631
A;Experimental source: B cell lymphoma 38
A;Note: sequence extracted from NCBI back
                                                                 A;Status: preliminary; not compared with A;Molecule type: nucleic acid A;Residues: 1-868 <TOR>
                                                                                                                                                          R;Torres, R.M.; Law, C.L.; Santos-Argumedo, L.; Kirkham, P.A.; Grabstein, K.; Parkhouse, J. Immunol. 149, 2641-2649, 1992
A;Title: Identification and characterization of the murine homologue of CD22, a B lympho A;Reference number: A46512; MUID:93017867; PMID:1401903
                                                                                                                                                                                                                                                     CD22 homolog/B lymphocyte-restricted adhesion molecule - mouse C;Species: Mus musculus (house mouse) C;Species: Mus musculus (house mouse) C;Date: 18-Jun-1993 #sequence_revision 18-Nov-1994 #text_change 11-Apr-1995 C;Date: 18-Jun-1993 #sequence_revision 18-Nov-1994 #text_change 11-Apr-1995 C;Accession: A46512
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           differentiation antigen - mouse
C;Species: Mus musculus (house mouse)
C;Date: 02-Jul-1996 #sequence_revision 02-Jul-1996 #text_change 09-Jul-2004
C;Accession: I49583
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT
149583
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A; Molecule type: mRNA
A; Residues: 1-862 < RES>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ś
                                                                                                                                      A; Accession: A46512
                                                                                                                                                                                                                                                                                                                                                                                                                                               밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A;Cross-references: UNIPROT: P35329; UNIPARC: UPI0000027DD2; GB:L16928; NID:g348965; PIDN:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;Residues:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A; Status: preliminary; translated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Genetics:
Gene: CD22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        646
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    603
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             560
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   267
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        506 CSWALPVILNVHYAPRDVKVLKVSPASEIRAGQRVLLQCDFAESNPAEVRFFWK-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGT----PMTSNAVRMEAVERNVGVI 239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IVLVPPSKPTVNIPSSATI--GNRAVLTCSEQDGSPP-SEYTWFKDGIVMPTNPKSTRAF 183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ----KNGSLV--QEGRY-----LSFGSVSPEDSGNYNCMVN----NSIGETLSQAWNL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          VAAVLVTLILLGILVFGIW 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DSSGQDLHSSGQKLRLEPLEVQHTGSYRCKGTNGIGTGESPPST---LTVYYSPETIGKR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 QVLYAPRRLRVSISPGDHVMEGKKATLSC-ESDANPPISQYTW------P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYGEVKVK---L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CSLALGSV-TVHSSEPEVRIPENNP-----VKLSC--AYSGFSSPRVEWKFDQGDT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DRTKKGT-----SSKKVIYSQPSARSEGEF 291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SGTPPFEVVWVKDRKQVRNSKKFKITSKHFDTNLHILN------LEASDVGEYHCK 3196
                                                                                                                                                                                                                                                                                                                                                                                                                                                 VALGEG--FCETICILAIW 719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IRESENTRISFIDNIATLQLGSPEASNSGKY 3287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATNEVGSDTCSCSVKFKEPPRFVKKLSDTSTLIGDAVELRAIVEGFOPISVVWLKDRGEV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ARNGYGTPMTSNAVRMEAVERNV-----GVIVAAVLVTLILLGILVFGIWFAYSRGHF 266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DGSPPSEYTWFKDGIVMPTNPK---STRAFSNSSYVLNPTTGELVFDPLSASDTGEYSCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11.8%; Score 181.5; DB 2; 29.0%; Pred. No. 1.7e-05;
  ell lymphoma 38Cl3
from NCBI backbone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 32; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            from GB/EMBL/DDBJ
                                                                                                                 conceptual
    (NCBIP:116156)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    85;
                                                                                                                      translation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ç
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  chromosome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    67;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  and characterizat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               702
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               602
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           559
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        69
                                                                                                                                                                                         lymphod
```

```
vascular cell adhesion protein - pig
(;Species: Sus scrofa domestica (domestic pig)
C;Date: 15-Feb-1995 #sequence_revision 05-Apr-1995 #text_change 09-Jul-2004
C;Accession: JC2457
R;Tsang, Y.T.M.; Haskard, D.O.; Robinson, M.K.
Biochem. Biophys. Res. Commun. 201, 805-812, 1994
A;Title: Cloning and expression kinetics of porcine vascular cell adhesion n
A;Reference number: JC2457; MUID:94271236; PMID:7516159
A;Accession: JC2457; MUID:94271236; PMID:7516159
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C;Keywords: glycoprotein; transmembrane protein F;497-517/Domain: transmembrane #status predicted <TVM>F;75,157,271,330,360/Binding site: carbohydrate (Asn) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A; Molecule type: mRNA
A; Residues: 1-538 < TSA>
                                                                            ક
                                                                                                                           멍
                                                                                                                                                       5
                                                                                                                                                                                                        밁
                                                                                                                                                                                                                                                S
                                                                                                                                                                                                                                                                              밁
                                                                                                                                                                                                                                                                                                                         र्
                                                                                                                                                                                                                                                                                                                                                                          밁
                                                                                                                                                                                                                                                                                                                                                                                                              δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                       밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Cross-references: UNIPROT:Q28939; UNIPARC:UPI0000088155; EMBL:U08351; NID:g474382;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ક
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local S
Matches 70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                     181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         512
                                            504
                                                                                                                                                                  189
                                                                                                                                                                                                            384
                                                                                                                                                                                                                                                                                           325
                                                                                                                                                                                                                                                                                                                                    146
                                                                                                                             444
                                                                                                                                                                                                                                                                                                                                                                                                                                                           225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                127 IVLVPPSKPTVN-IPSSATI-GNRAVLTCSEQDGSPP-SEYTWFKDGIVMPTNPKSTRAF 183
                                                                                                                                                                                                                                                                                                                                                                                                                   89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         709
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               31 VHSSEPEVRIPENNPVKLSCAYSGFSSPRVEW--KFDQGDTTRLVCYNNKITASYEDRVT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          70;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          76;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                           VISVNPSTSLQEGDSMMMTCTSEGLPAPQISWSKKLDNGD-QQLLSGN---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGT----PMTSNAVRMEAVERNVGVI 239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CSWALPVILNVHYAPROVKVLKVSPASEIRAGQRVLLQCDFAESNPAEVRFFWK-----
                                            SSLIIPAIGVIIYFARKANMRGSY 528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYGEVKVK---L 126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CSLALGSV-TVHSSEPEVRIPENNP------VKLSC--AYSGFSSPRVEWKFDQGDT
                                                                                                                                                                                                                                                                                                                                                                            ---ATLTLIAMRMEDSGIYVC----EGVNPVGTNRKEVELTVQVAPRDTTISVNPSSTLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       QVLYAPRRLRVSIIPGDHVMEGKKATLSC-ESDANPPISQYTW------F
                                                                                   --TLIL--LGILVFGIWFAYSRGHF 266
                                                                                                                                                                  VLNPTTGBLVFDPLSASDTGBYSCEARNGYGTPMTSNAVRMEAVERNVGVIVAAVLV---
                                                                                                                                                                                                            AGINRKEVELIIQAAPKDLQLTAPPSESVKEGDTVIISCTCGNVPPTLIILKKKAETGDT
                                                                                                                                                                                                                                                                                           EGSSVNMTCS-SDGFPAPKILWSKKLRDGNLEPLSENTTLTLTSTKMEDSGIYVCEGINQ
                                                                                                                                                                                                                                                                                                                                                                                                                FLPTGITFKSVTREDTGTYTCMVSEEGGNSYG--EVKVKLIVLVPPSKPTVNIPSSATI- 145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               VAAVLVILILLGILVFGIW 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DSSGQDLHSSGQKLRLEPLEVQHTGSYRCKGTNGIGTGESPPST---LTVYYSPETIGKR
                                                                                                                         VLKSTDGAYTIHRARLADAGVYECESKNEIGLQLRSTTLDVKGRESNKDYFSSELLVLYC
                                                                                                                                                                                                                                                     -----RAFSNSSY-----
                                                                                                                                                                                                                                                                                                                                  -GNRAVLTCSEQDGSPPSEYTWFK---DGIVMPTNPKST-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         VALGLG--FCLTIFILAIW 725
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        -----KNGSLV--QEGRY-----LSFGSVSPEDSGNYNCMVN----NSIGETLSQAWNL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11.8%; Score 181.5; DB 2; ilarity 29.3%; Pred. No. 1.7e-05; Conservative 32; Mismatches 84;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          45;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 179; DB 2; Length 538; Pred. No. 1.5e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (covalent)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels 110;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        67;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #status predicted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                  245
                                                                                                                                                                                                                                                     188
                                                                                                                                                                                                                                                                                                                                    180
                                                                                                                                                                                                                                                                                                                                                                            324
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             molecule
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        809
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      565
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 69
                                                                                                                                                                                                                                                                                                                                                                                                                                                           271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PII
hypothetical protein DKFZp586O1624.1 - human (fragment) C;Species: Homo sapiens (man) C;Date: 15-Oct-1999 #text_chang C;Date: 15-Oct-1999 #text_chang C;Accession: T17346 C;Accession: T17346 R;Duesterhoeft, A.; Lauber, J.; Mewes, H.W.; Gassenhuber, J.; submitted to the Protein Sequence Database, September 1999
                                                                                                                                                                                                                                                                                         문
                                                                                                                                                                                                                                                                                                                             S
                                                                                                                                                                                                                                                                                                                                                                          밁
                                                                                                                                                                                                                                                                                                                                                                                                              á
                                                                                                                                                                                                                                                                                                                                                                                                                                                       片
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        닭
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8
                                                                                                                                                                                                                                                S
```

```
A;Cross-references: GDB:127545; OMIM:107266
A;Map position: 19413.1-19413.1
A;Map position: 19413.1-19413.1
A;Introns: 138/1; 240/1, 329/1; 417/1; 503/1; 591/1; 679/1; 711/2; 804/3
C;Keywords: alternative splicing; B-cell; cell adhesion; dimer; glycoprotein; phos F;1-19/Domain: signal sequence #status predicted <SIG>
F;2-19/Domain: signal sequence #status predicted sylvation for the status predicted what>
F;2-19/Domain: immunoglobulin homology <IMM1>
F;346-398/Domain: immunoglobulin homology <IMM2>
F;609-661/Domain: immunoglobulin homology <IMM2>
F;608-706/Domain: transmembrane #status predicted <TRA>
F;67,101,112,135,164,231,363,445,448,479,574,634/Binding site: carbohydrate (Asn)
F;764,789/Binding site: phosphate (Thr) (covalent) #status predicted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A;Cross-references: UNIPROT:060926; UNIPARC:UPI0000161B10; GB:X59350; NID:g36090; PIDN:C A;Experimental source: B lymphocyte A;Note: the authors translated the codon AAT for residue 358 as Met R;Wilson, G.L.; Najfeld, V.; Kozlow, B.; Menniger, J.; Ward, D.; Kehrl, J.H. J. Immunol. 150, 5013-5024, 1993
A;Title: Genomic structure and chromosomal mapping of the human CD22 gene. A;Reference number: 156171; MUID:93267103; PMID:8496602
A;Accession: I56171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              C;Accession: JH0371; 156171

R;Wilson, G.L.; Fox, C.H.; Fauci, A.S.; Kehrl, J.H.

J. Exp. Med. 173, 137-146, 1991

A;Title: CDIA cloning of the B cell membrane protein CD22: a mediator of A;Reference number: JH0371; MUID:91086838; PMID:1985119

A;Accession: JH0371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A;Status: translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 121-269,'T',271-473,'K',475-614,'R',616-638,'Y',640-711,777-847 <WIL2>
A;Cross-references: UNIPARC:UPI000006EB4A; GB:S61375; NID:g385980; PIDN:AAC18956.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  B-cell adhesion protein CD22 beta splice form precursor - human N;Alternate names: B-cell membrane protein CD22 C;Species: Homo sapiens (man) C;Date: 30-Sep-1991 #sequence_revision 30-Sep-1991 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A;Gene: GDB:CD22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C; Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A; Molecule type: mRNA
A; Residues: 1-847 <WIL1>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  508
                                                                                                                                                                                                                                                                                                                                                                                                                                                   551 GKESQLNFDSISPEDAGSYSCWVN----NSIGQTASKAWTLEVLYAPRRLRVSMSPGDQV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    69;
                                                                                                                                                                                                                           SASDTGEYSCEARNGYG---TPMTSNAV--RMEAVERNVGVIVAAVLVTLILLGILVFGI 257
                                                                                                                                                                                                                                                                                                 MEGKSATLTC-ESDANPPVSHYTWFD------WNNQS--LPHHSQKLRLEPV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          VTVHSSEPEVRIPENNPVKLSCAYSGFSSPRVEWKFDQGDTTRLVCYNNKITASYEDRVT 88
                                                                             WFAYSRGHFDRTKKGTSSKKVIYSQPSARS 287
                                                                                                                                                  KVQHSGAYWCQGTNSVGKGRSPLSTLTVYYSPETIGRRVAVGLGSCLAILIL---AICGL
                                                                                                                                                                                                                                                                                                                                                                      --GNRAVLTCSEQDGSPP-SEYTWFKDGIVMPTNPKSTRAFSNSSYVLNPTTGELVFDPL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  VRVRKIKPLSEIHSGNSVSLQCDFSSSHPKEVQFFWEK------NGRLL
-----KLQRRWKRTQSQQGLQENSSGQS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11.6%; Score 178.5; DB 2; 25.6%; Pred. No. 2.7e-05; tive 42; Mismatches 100;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        59;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PIDN: AAC18956.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      B-B
                                                                                                                                                                                                                                                                                                        649
                                                                                                                                                                                                                                                                                                                                                                                                                                                       606
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cell intera
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     phosphopro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (coval
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PID:
```

15-Oct-1999 #text_change 09-Jul-2004

Wiemann,

```
A-35946
B-cell adhesion protein CD22 alpha splice form precursor - human
C;Species; Homo sapiens (man)
C;Species; 12-Oct-1990 #sequence_revision 12-Oct-1990 #text_change 15-Mar
C;Accession: A35648
R;Stamenkovic, I; Seed, B.
Nature 345, 74-77, 1990
A;Fitle: The B-cell antigen CD22 mediates monocyte and erythrocyte adh
A;Reference number: A35648; MUID:90231465; PMID:1691828
A;Accession: A35648
A;Molecule type: mRNA
A;Residues: 1-647 <STA>
A;Cross-references: UNIPARC:UPI0000159270; GB:X52785; NID:g29778; PIDN
C;Genetics:
A;Gross-references: UNIPARC:UPI0000159270; GB:X52785; NID:g29778; PIDN
C;Genetics:
A;Gross-references: GDB:127545; OMIM:107266
A;Cross-references: GDB:127545; OMIM:107266
A;Cross-references: GDB:127545; DMIM:107266
A;Cross-references: GDB:127545; DMIM:107266
A;Cross-references: GDB:127545; DMIM:107266
A;Map position: 19q13.1-19q13.1
C;Keywords: alternative splicing; B-cell; cell adhesion; dimer; glycop
F;1-19/Domain: signal sequence #status predicted <SIG>F;20-510/Domain: signal sequence #status predicted <EXT>F;310-647/Domain: immunoglobulin homology <IMN>
F;511-529/Domain: immunoglobulin homology <IMN>
F;511-529/Domain: intracellular #status predicted <CYT>
F;67,101,112,135,164,231,268,302,397,457/Binding site: carbohydrate (A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A;Reference number: Z18727
A;Accession: T17346
A;Status: preliminary
A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-483 <DUE>
A;Cross-references: UNIPROT:OSUFI4; UNIPARC:UPI0000726A2; EMBL:AL117666
A;Experimental source: adult uterus; clone DKFZp58601624
C;GenetLcs:
A;Note: DKFZp58601624.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 9
A35648
  밁
                                                S
                                                                                                            밁
                                                                                                                                                          8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          á
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      멍
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ક
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ঠ
                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 69; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local
374 GKESQLNFDSISPEDAGSYSCWVN----NSIGQTASKAWTLEVLYAPRRLRVSMSPGDQV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            265 HFDRT------KKGTSSKKVIYSQPSARSEG 289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  163 RAHSQLSVLPAAGCRKDGTTVGIFTIAVVSSIVLTSL----VWVCIIYQTRKKSEEYSVT 218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         113 RITWF--
                                                                                                                                                                   29 VTVHSSEPEVRIPENNPVKLSCAYSGFSSPRVEWKFDQGDTTRLVCYNNKITASYEDRVT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       47 KLSCAYSGFSSPRVEWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITF--KSVTREDT 104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Similarity
                                                      FLPTGITFKSVTREDTGTYTCMVSEEGGNSYGEVKVK---LIVLVPPSKPTVNIPSSATI 145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NTDETVVPPDVPSYLSSQGTLSDR---QETVVRTEG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MTSN-----AVRMEAVERNVGVIVAAVLVTLILLGILVFGIWFA------YSRG 264
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EYTWFKDGIVMPTNPKSTRAFS-NSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTP 221
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GVYSCTAQ----NSAGSISANATLTVLETPSLVVPLEDRVVSVGETVALQC-KATGNPPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GTYTCMVSEEGGNSYGEVKVK--LIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RLECAATGHPNPQIAWQKDGG-----TDFPAARERRMHVMPDDDVFFITDVKIDDA
                                                                                                            VRVRKIKPLSEIHSGNSVSLQCDFSSSHPKEVQFFWEK.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11.5%; Score 178; DB 2; I
ilarity 24.6%; Pred. No. 1.6e-05;
Conservative 32; Mismatches 112;
                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ----KGDRPLSLTERHHLTPDNQLLVVQNVVAEDAGRYTCEMSNTLGTE 162
                                                                                                                                                                                                                                             11.5%;
                                                                                                                                                                                                                    ; Score 177.5; DB 2; ; Pred. No. 2.4e-05; 42; Mismatches 100;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #text_change 15-Mar-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     251
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                carbohydrate
                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 dimer; glycoprotein;
                                                                                                                                                                                                                         59;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PIDN:CAA36988.1;
                                                                                                                                                                                                                                                                                                                                   (Agn)
                                                                                                                                                                                                                                                                                                                                   (covalent)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      112
                                                                                                                                                                   88
                                                                                                            373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 transmembi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PID:
                                                                                                                                                                                                                                                                                                                                      #
                      hypothetical protein F59F3.1 - Caenorhabditis elegans C;Species: Caenorhabditis elegans C;Species: Caenorhabditis elegans C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004 C;Accession: T23004 R;Kershaw, J. submitted to the EMBL Data Library, November 1995 A;Reference number: Z19651
```

```
A;Status: preliminary; translated A;Molecule type: mRNA A;Residues: 1-1273 <ZAL>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 R;Zallen, J.A.; Yi, B.A.; Bargmann, C.I.
Cell 92, 217-227, 1998
A;Title: The conserved immunoglobulin superfamily member SAX-3/Robo
A;Reference number: Z22160; MUID:98117250; PMID:9458046
                              Ś
                                                                    밁
                                                                                                     S
                                                                                                                                             밁
                                                                                                                                                                           á
                                                                                                                                                                                                                     밁
                                                                                                                                                                                                                                                     á
                                                                                                                                                                                                                                                                                                                          δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A; Reference number: Z22160;
A; Accession: T42405
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ś
밁
                                                                                                                                                                                                                                                                                             밁
                                                                                                                                                                                                                                                                                                                                                                  ₽
                                                                                                                                                                                                                                                                                                                                                                                                 ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A; Description:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C; Function:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A;Note:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Cross-references: UNIPROT:O44928; UNIPARC:UPI0000080AA8; EMBL:AF041053; NID:g2804779;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C; Accession: T42405
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             sax-3 protein -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Species: Caenorhabditis elegans
Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     вах-3
                                                                                                          217
                                                                                                                                              158
                                                                                                                                                                                                                       108
                                                                                                                                                                                                                                                         107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       430
                                                                                                                                                                                 157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            146
                                                                                                                                                                                                                                                                                             64 YKDGQPVITNKEQVNSHRIV-------LDTGSLFLLKVNSGKNGKDSDAGA
                                                                                                                                                                                                                                                                                                                                  63 KFD-----
                                                                                                                                                                                                                                                                                                                                                                                                                                            88
;
                                                                                                                                                                                                                                                                                                                                                                    ហ
                                                                                                                                                                                                                                                                                                                                                                                                      9 RKLLCLFILAI-----LLCSLALGSVTVHSSEP-EVRIPENNPVKLSCAYSGFSSPRVEW
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
                                                                                                                                                                                                                     YYCVAS----QALGGEWASNEGSLKLAMLREDFRVRPR--TV----QALGGEMAVLECSPP 157
                                                                      MVG-ERVSNPARLSVFEKPKFEQEPKDMTVDVGAA----VLFDCRVTGDPQPQITWKRKN
                                                                                                          GYGTPMTSNAVRMEAVE-----RNVGVIVAAVLVTLILLGILVFG-----IW----
                                                                                                                                              RGFPEPVVSWRKD-----DKELRIQDMPRYTLH-SDGNLIIDPVDRSDSGTYQCVANN
                                                                                                                                                                                 DGSPPSEYTWFKDGIVMPTNPKSTRAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARN
                                                                                                                                                                                                                                                         YTCMVSEEGGNSYGEVK-----VKLIVL-----VPPSKPTVNIPSSATIGNRAVLTCSEQ 156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEGKSATLTC-ESDANPPVSHYTWFD---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              --GNRAVLTCSEQDGSPP-SEYTWFKDGIVMPTNPKSTRAFSNSSYVLNPTTGELVFDPL
 EPMPVTRAYIAKONRGLRIERV---QPS--DEGEY
                                    --FAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEF 291
                                                                                                                                                                                                                                                                                                                                                                    KTLLCTILLVLQAVIRSFCEDASNLAPVIIEHPIDVVVSRGSPATLNCGAKP-STAKITW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        -----KLQRRWKRTQSQQGLQENSSGQS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WFAYSRGHFDRTKKGTSSKKVIYSQPSARS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 KVQHSGAYWCQGTNSVGKGRSPLSTLTVYYSPETIGRRVAVGLGSCLAILIL---AICGL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SASDTGEYSCEARNGYG---TPMTSNAV--RMEAVERNVGVIVAAVLVTLILLGILVFGI 257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 sax-3 function is required at the time of axon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Caenorhabditis elegans
                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                            11.5%;
                                                                                                                                                                                                                                                                                                                              -QGDTTRLVCYNNKITASYEDRVTFLPTGITF-----KSVTREDTGT 106
                                                                                                                                                                                                                                                                                                                                                                                                                                            36; Mismatches 114;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 177.5;
Pred. No. 5.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               from GB/EMBL/DDBJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                              5.1e-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          552
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 2;
 294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       --WNNQS--LPYHSQKLRLEPV
                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1273;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   guidance
                                                                                                                                                                                                                                                                                                                                                                                                                                            97;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    directs multiple aspe
                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           472
                                                                            264
                                                                                                              258
                                                                                                                                                  209
                                                                                                                                                                                                                                                                                               107
                                                                                                                                                                                                                                                                                                                                                                      5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   529
```

A;Accession: T23004 A;Status: preliminary; translated

from GB/EMBL/DDBJ

```
F;118-141/Domain: leucine-rich alpha-2-glycoprotein repeat homology <LRR3>
F;142-165/Domain: leucine-rich alpha-2-glycoprotein repeat homology <LRR4>
F;146-189/Domain: leucine-rich alpha-2-glycoprotein repeat homology <LRR4>
F;166-189/Domain: leucine-rich alpha-2-glycoprotein repeat homology <LRR5>
F;191-211/Domain: leucine-rich alpha-2-glycoprotein repeat homology <LRR5>
F;214-237/Domain: leucine-rich alpha-2-glycoprotein repeat homology <LRR7>
F;238-261/Domain: leucine-rich alpha-2-glycoprotein repeat homology <LRR8>
F;262-285/Domain: leucine-rich alpha-2-glycoprotein repeat homology <LRR10>
F;386-309/Domain: leucine-rich alpha-2-glycoprotein repeat homology <LR10>
F;310-333/Domain: leucine-rich alpha-2-glycoprotein repeat homology <LR11>
F;338-381/Domain: leucine-rich alpha-2-glycoprotein repeat homology <LR12>
F;385-381/Domain: leucine-rich alpha-2-glycoprotein repeat homology <LR12>
F;385-408/Domain: leucine-rich alpha-2-glycoprotein repeat homology <LR13>
F;409-432/Domain: leucine-rich alpha-2-glycoprotein repeat homology <LR13>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  R;Suzuki, Y.; Sato, N.; Tohyama, M.; Wanaka, A.; Takagi, T.
J. Biol. Chem. 271, 22522-2257, 1996
A;Title: CDNA cloning of a novel membrane glycoprotein that is
A;Reference number: A58532; MUID:96394313; PMID:8798419
A;Accession: A58532
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 12
A58532
A58532
G:Species: Mus musculus (house mouse)
C:Species: Mus musculus (house mouse)
C:Date: 11-Apr-1997 #sequence_revision 11-Apr-1997 #text_change
C:Accession: A58532
                              S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Molecule type: mRNA
A;Residues: 1-1091 <SUZ>
A;Cross-references: UNIPROT:P70193; UNIPARC:UPI0000029E57; GB:D78572; NID:g1545806; PIDN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A; Molecule type: DNA
A; Residues: 1-1227 <MIL>
A; Cross-references: UNIPROT:Q21038; UNIPARC:UPI0000077D8B; EMBL:Z68005; PIDN:CAA91990.1
A; Experimental source: clone F59F3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Status: preliminary; translated from GB/EMBL/DDBJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A; Introns: 31/3; 58/1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;95-117/Domain: leucine-rich alpha-2-glycoprotein repeat homology <LRR2>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ;36-61/Domain: proteoglycan amino-terminal homology <PAH>
;71-94/Domain: leucine-rich alpha-2-glycoprotein repeat homology <LRR1>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;Gene: CESP:F59F3.1
                                                                                                                Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Map position:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Genetics:
                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 676
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      727
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   140
                                    37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   34 SEPEVRIPENNPVKLSCAYSGESSP-RVEWKFDQGDTTRLVCYNNKITASYEDRVTFLPT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 65;
                                                                                                                Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Similarity
EVRIPENNPVKLSCAYSGESSPRVEWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITF::|:|:|:|:|:|:|:|:|
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           G-----ITFKSVTREDTGTYTCMVSEEGGNSYGEVKVKLIVLVPPSKPTVNI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ISIIAVFLLTCKLRASNRLTKQKDIALNTLY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LGILVFGIWFAYSRGHFDRTKKGTSSKKVIY 280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIVAAVLVTLIL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ----TGGNSNAVVIVDYDQYFEINCNMTGTPPPVYQWFKDG-----NPYTHGDVDGSILR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PSSATIGNRAVLTCSEQD------GSPPSEYTWFKDGIVMPTNPKSTRAFSNSSYV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TTETEIKQYSKHLILNLRDVTTSFTGTYTCVVKNEDSEKLLETSIDVKAI---SKPSI--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEPSKI IYEGDNVKLTCVFPLDSDDWSVSWRFEN-----SKSSDISSIPT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                       Conservative
                                                                                                                                                                                            proteoglycan carboxyl-terminal homology
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   279/3; 429/2; 544/3; 638/2; 801/2; 887/1; 929/2; 1025/3; 1062/2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11.2%; Score 172.5; DB 2; 24.0%; Pred. No. 0.00011; tive 35; Mismatches 108;
                                                                                                             11.1%; Score 171; DB 2; 23.5%; Pred. No. 0.00013;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DDGEFHCLATURAGDKLING I EVQVINIAPKG-SLFFYWFLALLLL
                                                                                       Pred. No. 0.00
3; Mismatches
                                                                                                                                      Length 1091;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 1227;
                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          expressed specifically
                                                                                 62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           63;
                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   189
                                    96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              726
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         92
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         776
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ľ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               გ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    र्
                                                                                                                                                                                                                                                                                                                                                                                                                                          밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          밁
```

```
cell adhesion molecule apCAM (clone d15) - California sea hare C;Species: Aplysia californica (California sea hare) C;Date: 04-Mar-1993 #sequence_revision 18-Nov-1994 #text_change 09-Jul-2004 C;Accession: B42632 R;Mayford, M.; Barzilai, A.; Keller, F.; Schacher, S.; Kandel, E.R. Science 256, 638-644, 1992 Science 256, 638-644, 1992 A;Title: Modulation of an NCAM-related adhesion molecule with long-term synualization and the second s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 13
C42632
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;Status: preliminary; not compared with conceptual translation A;Molecule type: nucleic acid A;Residues: 1-765 <MAY>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cell adhesion molecule apCAM (clone d12) - California sea hare
C;Species: Aplysia californica (California sea hare)
C;Date: 04-Mar-1993 #sequence_revision 18-Nov-1994 #text_change 09-Jul-2004
                                          A;Status: preliminary; not con
A;Molecule type: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    B42632
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A; Note: sequence extracted from NCBI backbone (NCBIP:101351)
C; Superfamily: neural cell adhesion molecule; fibronectin type III repeat homology;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A;Cross-references: UNIPROT:Q9TWA4; UNIPARC:UPI000007CFAFA;Experimental source: CNS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Science 256, 638-644, 1992
A;Title: Modulation of an NCAM-related adhesion molecule with A;Reference number: A42632; MUID:92263095; PMID:1885176
A;Accession: C42632
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        R; Mayford, M.; Barzilai, A.; Keller, F.; Schacher, S.; Kandel, E.R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C; Accession: C42632
A;Residues: 1-812 <MAY>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         343
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         286
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 822
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            213
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           716
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           609
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          112 SEEGGNSYGEVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGI 171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              244 VPPP--TYQFKKGDVMVTDEMV--NNGV--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9 RKLLCLFIL------AILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    QSASTDGIVNKGPTYEKVGSNQNDMEEKTVAQHMTFKPVTYQDAGTYICTA 393
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TIKKGG--FAESSNTLDVKVPPTIEDMEETYDAVSGQELTITCTAK-GDPEPSVIWKKDGP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CSEQDGSPPSEYTWFKDGIVMPTNPKSTRAFSNSSYVLNPTTGELVFDPLSASDTGEYSC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            --KSVTREDTGTYTCMVSEEGGNSYGEVKVK--LIVLVPPSKPTVNIPSSATIGNRAVLT 152
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -----VMPTNPKSTRAFSNSSYVLNPTTGE-LVFDPLSASDTGEYSCEA 214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FSSPRVEWKFDQGD---TTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMV 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KKYLCDIİVIDTGETKDFYIDFTVVKLPTIAL-PPTIHPDNPKV----GDEVKITCQATG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 KKSEEYSVTNTDETIVPPDVPSYLSSQGTLSDR---QETVVRTEG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ----YSRGHFDRT----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EMSNPLGTERAHSQLSILPTPGCRKDGTTVGIFTIAVVCSIVLTSL----VWVCIIYQTR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EARNGYGTPMTSNAVRMEAVE-----RNVGVIVAAVLVTLILLGILVFGIWFA-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DIAIRTGTTARLECAATGHPNPQIAWQKDGG-----TDFPAARERRMHVMPDDDVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C-KATGSPTPRITWLKGG-----RPLSL----TERHHFTPGNOLLVVQNVMIDDAGRYTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FITDVKIDDMGVYSCTAQ----NSAGSVSANATLTVLETPSLAVPLEDRVVTVGETVAFQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11.0%; Score 169.5; DB 2; 25.1%; Pred. No. 0.00011; tive 36; Mismatches 86;
                                                                                     compared with conceptual
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KKGTSSKKVIYSOPSARSEG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              --LTINPLKTTĎQAŤÝŤĆIA
                                                                                                                                                                                                                          with long-term synaptic plastic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      863
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             765;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       long-term
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       synaptic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   285
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     212
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                821
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                715
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           765
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       plastic
```

```
RESULT 15
A42632
C:Bladhesion molecule apCAM (clone d19) - California sea hare
C:Cipacies: Aplysia californica (California sea hare)
C:Bpecies: Aplysia californica (California sea hare)
C:Accession: A42632
R;Mayford, M.; Barzilai, A.; Keller, F.; Schacher, S.; Kandel, E.R.
Science 256, 638-644, 1992
A;Title: Modulation of an NCAM-related adhesion molecule with long-term synaptic plastic A;Accession: A42632
A;Reference number: A42632; MUID:92263095; PMID:1585176
A;Accession: A42632
A;Status: preliminary; not compared with conceptual translation
A;Residues: 1-932 < MAYD
A;Cross-references: UNIPROT:09TWA6; UNIPARC:UPI000007FBFE
A;Cross-references: UNIPROT:09TWA6; UNIPARC:UPI000007FBFE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A;Cross-references: UNIPROT:Q9TWA6; UNIPARC:UPI000007FBFE
A;Experimental source: CNS
A;Note: sequence extracted from NCBI backbone (NCBIP:101342)
C;Superfamily: neural cell adhesion molecule; fibronectin type III repeat homology; immu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Cross-references: UNIPROT:Q9TWAS; UNIPARC:UPI000007CEC1
A;Experimental source: CNS
A;Note: sequence extracted from NCBI backbone (NCBIP:101346)
A;Note: sequence extracted from NCBI backbone (NCBIP:101346)
Search completed: May 16, 2006, 07:03:28 Job time : 64 secs
                                                                                                                                                                      S
                                                                                                                                                                                                                                        밁
                                                                                                                                                                                                                                                                                ઇ
                                                                                                                                                                                                                                                                                                                                         ₽
                                                                                                                                                                                                                                                                                                                                                                                                        ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ફ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 11.0%; Score 169.5; DB 2; Length 812; Best Local Similarity 25.1%; Pred. No. 0.00012; Conservative 36; Mismatches 86; Indels 51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 58; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   343 QSASTDGIVNKGPTYEKVGSNQNDMEEKTVAQHMTFKPVTYQDAGTYICTA 393
                                                                                                                       343 QSASTDGIVNKGPTYEKVGSNQNDMEEKTVAQHMTFKPVTYQDAGTYICTA 393
                                                                                                                                                                                                                                        286 TNKGG--FAESSNTLDVKVPPTIEDMEETYDAVSGQELTITCTAK-GDPEPSVIWKKDGP 342
                                                                                                                                                                                                                                                                                          112 SEEGGNSYGEVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGI 171
                                                                                                                                                                                                                                                                                                                                                               244 VPPP--TYQFKKGDVMVTDEMV--NNGV---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                189 KKYLCDIIVIDTGETKDFYIDFTVVKLPTIAL-PPTIHPDNPKV----GDEVKITCQATG 243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 172 -----VMPTNPKSTRAFSNSSYVLNPTTGE-LVFDPLSASDTGEYSCEA 214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             286 TNKGG--FAESSNTLDVKVPPTIEDMEETYDAVSGQELTITCTAK-GDPEPSVIWKKDGP 342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  112 SEEGGNSYGEVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGI 171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        189 KKYLCDIIVIDTGETKDFYIDFTVVKLPTIAL-PPTIHPDNPKV----GDEVKITCQATG 243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              244 VPPP--TYQFKKGDVMVTDEMV--NNGV------LTINPLKTTDQATYTCIA 285
                                                                                                                                                                                                                                                                                                                                                                                                                       55 FSSPRVEWKFDQGD---TTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMV 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          55 FSSPRVEWKFDQGD---TTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMV 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9 RKLLCLFIL-----AILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSG 54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9 RKLLCLFIL------AILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSG 54
                                                                                                                                                                      -----VMPTNPKSTRAFSNSSYVLNPTTGE-LVFDPLSASDTGEYSCEA 214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11.0%; Score 169.5; DB 2; Length 932; 25.1%; Pred. No. 0.00014; tive 36; Mismatches 86; Indels 51
                                                                                                                                                                                                                                                                                                                                                               ---LTINPLKTTĎQATÝTČIA 285
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       51,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11,
```

```
RESULT
ID AA
DE Am
PN WO
PD 25
                                                                                                                                                                                                                                                                                                                                                         RESULT
ID AJ
DE FJ
PN WC
PD 21
PA (8
  RESULT
ID AA
DE Hu
                                                                         RESULT
ID AA
DE HU
PN WC
PD 04
                                                                                                                                                                       Basi
                                                                                                                                                                                                                       RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gapop 10.0 , Gapext 0.5
Searched: 2443163 seqs, 439378781 residues
Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Scoring
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Run
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Database
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Minimum DB seq length: 0
Maximum DB seq length: 2000000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Post-processing:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Perfect score:
                                                   Query Match
                                                                                                                                                  Query
                                                                                                                                                                                                                                             Query
                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                 Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       protein -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8
                                                                                                                                                                                                                                                                                 AAY13364 standard; protein; Amino acid sequence of prote WO9914328-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY23321 standard; protein; 299 AA.
Amino acid sequence of the PRO301 polypeptide.
AAY70670 standard; protein;
Human PRO301 protein.
                                                                                                                                                                                                                                                                                                                                                                               F11 antigen protein sequence. WO9902561-A1.
                                                                                    Human A33 rec
WO9955865-A1.
                                                                                               AAY76076 standard; protein; 299 AA.
Human A33 receptor homologue, SEQ ID
                                                                                                                                                                       04-NOV-1999:
                                                                                                                                                                                 Human A33 receptor homologue, WO9955865-A1.
                                                                                                                                                                                                         AAY76011 standard;
                                                                                                                                                                                                                                                                       25-MAR-1999.
                                                                                                                                                                                                                                                                                                                                                                      21-JAN-1999.
                                                                                                                                                                                                                                                                                                                                                                                                          AAW74464 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    03-JUN-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO9927098-A2.
                                                             (GENE-) GENESIS RES
                                                                                                                                                            (GENE-) GENESIS RES
                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                         SMIK ) SMITHKLINE BEECHAM CORP.
                                                                                                                                  Local Similarity
                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                  ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   table:
                                                                                                                                                  Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    No. is the number of results predicted by chance to have a greater than or equal to the score of the result being printed, s derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENENTECH INC .-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Match Length DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A_Geneseq_21:*
1: geneseqp198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BLOSUM62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-785-433-1
1544
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Minimum Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Maximum Match 100%
Listing first 1500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MGTKAQVERKLLCLFILAIL.....YSQPSARSEGEFKQTSSFLV 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      geneseqp1980s:*
geneseqp1990s:*
geneseqp2000s:*
geneseqp2001s:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   geneseqp2003as:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             geneseqp2002s:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     geneseqp2003bs:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           jeneseqp2004s:*
                                                                                                                                                                                           protein; 299 AA.
homologue, SEQ ]
                                                                                                                                                          & DEV CORP LTD.
                                                             & DEV CORP LTD.
                                                                                                                                                                                                                                 100.0%;
                                                                                                                                                                                                                                                                                                                                 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%;
                                                                                                                                    100.0%;
                                     100.0%;
                                                                                                                                                                                                                                                                                            protein PRO301.
               299
                                                                                                                                                                                                                                                                                                                                                                                                        299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ä
                                     Score 1544;
Pred. No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                    Score 1544;
Pred. No. 7.
                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                 Score 1544;
Pred. No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SUMMARIES
               B
                                                                                                                                                                                                                                                                                                                                                                                                          ₿
                                                                                                                                                                                               ä
                                                                                                                                                                                                                                 1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                1544;
No. 7.
                                                                                                NO:331
                                                                                                                                                                                               NO:189
                                                                                                                                    DB 3;
7.5e-105;
                                                                                                                                                                                                                                 DB 2;
.5e-105;
                                       DB 3;
                                                                                                                                                                                                                                                                                                                                  DB 2;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                  5e-105
                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 2;
                                                                                                                                               Length
                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Description
```

```
Best Lo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best
RESULT
                                        Best Local Similarity RESULT 15
                                                                                                                                                Query Match
Best Local Similarity
RESULT 14
                                                                                                                                                                                                                                                       Best Local Similarity RESULT 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT
                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                   Query Match
                                                                                           Human immune response WO200119991-A1.
22-MAR-2001.
                                                                                                                                                                                                                                                                                                         Skin cell protein, WO200069884-A2. 23-NOV-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                Skin cell protein, WO200069884-A2.
AAU12354 standard; protein; 299 AA.
Human PRO301 polypeptide sequence.
WO200140466-A2.
                                                                                                                                                                                                     AAB31202 standard; protein; 299 AA. Amino acid sequence of human polype WO200077037-A2.
21-DEC-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human polypeptide,
EP1130094-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY95344 standard; protein; 299 AA.
Human PRO301 antitumour protein.
WO200037638-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB24405 standard; protein; 299 AA
Human PRO301 protein sequence SEQ
WO200032221-A2.
08-JUN-2008.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAB56015 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200104311-A1.
18-JAN-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAB80232 standard; protein;
Human PRO301 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200015797-A2.
                                                                                 (GETH )
                                                                                                                                    AAU00823 standard; protein;
                                                                                                                                                                                                                                                                   (GENE-) GENESIS RES & DEV CORP LTD.
ry Match 100.0%; Score
t Local Similarity 100.0%; Pred.
                                                                                                                                                                                                                                                                                                                                       AAB55950 standard; protein; 299 AA.
Skin cell protein, SEQ ID NO: 189.
                                                                                                                                                                                                                                                                                                                                                                             (GENE-) GENESIS RES & DEV CORP LTD.
ry Match 100.0%; Score
t Local Similarity 100.0%; Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                     23-NOV-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             05-SEP-2001. (HELI-) HELIX RES INST.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAM93577 standard; protein; 299 AA.
Human polypeptide, SEQ ID NO: 3365.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               29-JUN-2088.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   23-MAR-2000.
(GETH ) GENENTECH INC.
                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENENTECH INC.
                                                                               GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                protein; 299 AA
SEQ ID NO: 331.
                                                    100.0%;
                                                                                                                                                             100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%;
                                                                                                                    otein; 299 .
protein PR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               299
                                                                                                                                                                                                                            polypeptide
                                                      Score
Pred.
                                                                                                                       99 AA.
PRO301
                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                      Score 1544;
Pred. No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 1544; DB 3; Pred. No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IJ
                                                      1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1544; DB 4;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1544; DB 4;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1544; DB 3;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1544; DB 3;
No. 7.5e-105;
                                                                                                                                                              1544; DB 4;
No. 7.5e-105;
                                                                                                                        (UNQ264)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NO: 90
                                                                                                                                                                                                                               PRO301.
                                                       DB 4;
7.5e-105;
                                                                                                                                                                                                                                                                     DB 4;
                                                                                                                                                                                                                                                                                                                                                                                DB 4;
.5e-105;
                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        299;
```

```
RESULT
ID AB
DE Hu
PN WO
PD 03
                                                                                                                                                                                                                                                                                                                                                                                                            RESULT
ID AF
DE Hu
PN WC
PD 02
PA (H
                                                                                                                                                                                                                                                                      RESULT
ID AF
DE Hu
PN WC
PD 25
PA (F
                                                                                                                                PAPRE
                                                                                                                                                                                                                                                                                                                                                  BBBB
                                                                                                                                                                                                                                                                                                                                                                                    RESULT 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BBBB
                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
  Human PRO301 protein sequenc W0200200690-A2.
                                                                                                         MCZOULL 25-MAY-2001.
25-MAY-2001.
(HUMA-) HUMAN GENOME SCI INC.
100.0%;
ery Match 100.0%;
                                                                                                                                             AAE03870 standard; protein; 299 Human gene 23 encoded secreted pw0200136440-A1.
                                                                                                                                                                                                       Human gene 23 encoded secreted p. WO200136440-Al. 25-MAY-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human angiogenesis-associated pr w0200053753-A2.
                                                                           ABB90290 standard;
Human polypeptide &
WO200190304-A2.
                                                                                                                                                                                                                                                                               Human gene 23 encoded secret WO200136440-A1.
                                                                                                                                                                                                                                                                                                                                                        AAU14168 standard; protein;
Human novel protein #39.
WO200155437-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                             Human novel protein WO200155437-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human novel pro
WO200155437-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAU14405 standard; protein;
Human novel protein #276.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                07-JUN-2001
                                                                                                                                                                                (HUMA-) HUMAN GENOME SCI INC.
ry Match 100.0%;
t Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH )
                                                           (HUMA-) HUMAN GENOME
                                                                                                                                                                                                                                                    (HUMA-) HUMAN GENOME SCI INC.
ry Match 100.0%;
t Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                      02-AUG-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                              AU14404 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               02-AUG-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                         (HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                             HYSE-) HYSEQ INC.
                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                  Match
                                                                                                                                                                                                                                                                                                                        ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                           ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 INC.
                                                                                   ; protein;
SEQ ID NO
                                                                                                                                                                                                                                                                                                                                                                                                                                              protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                       #275.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%;
                                         SCI INC.
100.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                         100.0%;
                                                                                                                                                                                                                                                                                                                                                                                           100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%;
                 ведчепсе
                                                                                                                                                        secreted protein
                                                                                                                                                                                                                                                                                               secreted
                           299
                                                                                     299 AA.
2666.
                                                                                                                                                                                                                                                                                                        299
                                                                                                                                                                                                                                                                                                                                                                            299
                                                                                                                                                                                                                                                                                                                                                                                                                                               299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            99 AA.
protein
                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                          Score
Pred.
                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                        Score Pred.
                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                 SEQ
                                                                                                                                                                                                                            9 AA.
| protein
                                                                                                                                                                                                                                                                                              protein
                                                                                                                                                                 ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ₹
                  Ħ
                                                                                                              No. 7.
                                                                                                                                                                                                                                                     1544;
No. 7.
                                           1544;
No. 7.
                                                                                                                                                                                  1544;
No. 7.
                                                                                                                                                                                                                                                                                                                         1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                            1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1544; DB 4;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                1544; DB 4;
No. 7.5e-105;
                  NO:54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRO301,
                                                                                                                                                        HACAA29,
                                                                                                                                                                                                                            HACAA29,
                                                                                                                                                                                                                                                                                               fragment,
                                                                                                                                                                                                                                                                                                                         DB 4;
                                           DB 5;
                                                                                                                                                                                                                                                                                                                                                                                             DB 4;
'.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 4;
                                                                                                              DB 4;
.5e-105;
                                                                                                                                                                                                                                                     DB 4;
.5e-105;
                                                                                                                                                                                  DB 4;
.5e-105;
                                                                                                                       B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ
                                                                                                                                                                                                                            SEQ
                                                                                                                                                        SEQ
                                                                                                                                                                                                                                                                                               SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                  Length
                                                                                                                     Length
                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ij
                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                        ä
                                                                                                                                                                                                                             ij
                                                                                                                                                                                                                                                                                                ij
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NO:119
                                                                                                                                                         NO:116
                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                NO:148
                                                                                                                                                                                                                                                                                                                                                                                                     299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                299;
                                                                                                                                                                                                                             86.
```

```
RESULT
                                                                                                                                                                                                                                                                                                                                                                                               Best
RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best
RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 25
                                                                                                                                                                 Query
                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Query Match
                                                                   Query Match
                                                                                Human PRO polypeptide #21.
US2002146709-A1.
10-CCT-2002.
                 Novel human secreted and transmes US200303156-A1.
                                                                                                                                                                                                                                                                                                                                                                   ABB72150 standard; protein; Human protein isolated from WO200190357-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                       ABB72215 standard; protein; 299 AA. Human protein isolated from skin cells W0200190357-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human albumin fusion WO200177137-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABG64551 standard;
                                                                                                                                                                                                                                                                                                Human angiogenesis
WO200208284-A2.
                                                                                                                                                                                                                                                                                                                  ABB95449 standard;
                                                                                                                                                                                                                                                                                                                                                            29-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human albumin f
WO200177137-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                 29-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABG64552 standard;
                                                                                                                                                                                                                                                                                                                                  (GENE-) GENESIS RES & DEV CORP LTD.
ry Match 100.0%; Score
t Local Similarity 100.0%; Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                      (GENE-) GENESIS RES & DEV CORP LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (HUMA-) HUMAN GENOME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH )
                                                                             (GETH )
                                                                                                                                                                                                                                                                                          1-JAN-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (HUMA-) HUMAN GENOME
                                                                                                                                                                                                                                                               FERR/)
                                                                                                                                                                                                                                                                                GETH
                                                           Local Similarity
                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                      ocal Similarity
                                                                                                                                                                                                 GODDARD A.
GODOWSKI P J.
GURNEY A L.
HILLAN K J.
MARSTERS S A.
                                                                                                                                                                                                                                                              GENENTECH INC.
BAKER K P.
FERRARA N.
                                                                                                                                                        WATANABE C I
                                                                           GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENENTECH INC.
                                                                                                                                               WOOD W I.
                                                                                                                                                                                                                                            GERBER H.
GERRITSEN M E.
        GENENTECH
                                                                                                                                                                          PAONI N F.
STEPHAN J F.
                                                                                                                                                                                            PAN J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          fusion
        INC.
                                                                                                                                                                                                                                                                                                         protein; 299 AA. related protein PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein; 299 AA.
on protein #1227.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SCI INC.
100.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%;
                                                           100
                                                                                                                              100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein
                                and transmembrane
100.0%;
                                                          .0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   299
                                                                                                                                                                                                                                                                                                                                                                             299 AA.
skin cells
                                                                                                               299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          299 AA.
#1226.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
Score
                                                           Score
Pred.
                                                                                                                               Score
Pred.
                                                                                                                                1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1544;
No. 7.
                                                           1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                    1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                       1544;
No. 7.
1544;
                                                                                                                               ö.
                                                                                                                                                                                                                                                                                                                                   ĕ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1544; DB 5;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                              OBS
                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQ
                                 protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 5;
                                                                                                                               DB 5;
.5e-105;
                                                                                                                                                                                                                                                                                                         SEQ
                                                                                                                                                                                                                                                                                                                                   DB 5;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                       DB 5;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 5;
                                                            DB 6;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  ij
BB
                                                                                                                                                                                                                                                                                                                                                                              Ħ
6,
                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                          ID NO:
Length
                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                   Length
                                                                                                                                                                                                                                                                                                           54
299;
                                                                                                                                         299;
                                                                                                                                                                                                                                                                                                                                             299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              299;
                                                                                                                                                                                                                                                                                                                                                                                                                 299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         299;
```

```
RESULT 34
                                                                                                                                                                                                      Best Local Similarity RESULT 38
                                                                                      BBBB
                                                                                                                                                                                                                                                                                                                B B B B B
                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                B B B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2 E E
                                                RESULT 40
                                                                                                                           RESULT 39
                                                                                                                                                                                                                                                                                                                                                             RESULT 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            a
                                                                                                                                                                                                                          Query Match
                                                                                                                                       Query Match
Best Local
                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human PRO polypeptide #21.
US2002192659-A1.
19-DEC-2002
                                                                                                                                                                                                                                        Human PRO polypeptide #183.
US2003036180-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                          ABU71911 standard; protein; 2 Human secreted/transmembrane US2003003530-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel human secreted and transmembrane US2003040014-A1.
                   ABO47382 standard; protein; 2 Human secreted/transmembrane US2003044839-A1.
                                                                                             ABU67291 standard; protein; 299 AA. Novel human secreted and transmembr US2003032063-A1.
                                                                                                                                                                                  ABUS4367 standard; protein; 299 AA.
Human secreted/transmembrane protein PRO301.
                                                                                                                                                                           US2002132240-A1.
                                                                                                                                                                                                                                                                                                                                  US2002197671-A1.
                                                                                                                                                                                                                                                                                                                                   Novel human secreted and tra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human PRO polypeptide #183.
US2003004311-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABU81052 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             27-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                02-JAN-2003
                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                               (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                    GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ocal Similarity
                                                                                                                                    ocal Similarity
                                                                                                                                                                                                                                                                                             ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                      ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                  ocal Similarity
                                                                                                                                                                                                                                                                                                                                                           GENENTECH INC
GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein;
                                                                                                                                                                                                                                                                                            100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%;
                                                        100.0%;
                                                                                                                                    100.0%;
                                                                                                                                                                                                                100.0%;
                                                                                                                                                                                                                                                                                                                                           and transmembrane protein PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                        transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                               299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            299
                                                                                                                                                                                                                                                                                                                                                    299 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   299
                                      299 AA.
                                                                                                                                                                                                                                                                         299 AA
                                                                                                                                                                                                                                                                                                                                                                                                                      protein
                            polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                        Score
Pred.
                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 1544;
Pred. No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 1544;
Pred. No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                               $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ŏ.
                                                         1544;
No. 7.
                                                                                                                                    1544;
No. 7.
                                                                                                                                                                                                                 1544;
No. 7
                                                                                                                                                                                                                                                                                            1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                       1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                       PRO301.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7.5e-105;
                              PRO301
                                                                                                                                                                                                                                                                                            DB 6;
7.5e-105;
                                                                                                                                                                                                                 DB 6;
                                                                                                                                                                                                                                                                                                                                                                       DB 6;
'.5e-105;
                                                         DB 6;
.5e-105;
                                                                                                                                    DB 6;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 6;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 6;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 6;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 299;
                                                                                                                                                                                                                                                                                                     Length
                                                                  Length
                                                                                                                                              Length
                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                    299;
```

Local Similarity

100.0%;

Score 1544; DB 6; Pred. No. 7.5e-105;

Length

```
Query Match
Best Local S
RESULT 45
                                                                                                                                                                                                                                                                                                                                                                           Best Loc
RESULT 46
RESULT 50
                                                                                        Best Local Similarity RESULT 49
                                                                                                                                                                                   Best Local Similarity RESULT 48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 41
                                                                                                              Query Match
                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                               ABU67365 standard; protein; 299 Human secreted protein PRO301. US2003023054-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human secreted/transmembrane US2002160374-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABU59833 standard;
Novel secreted and
US2003017563-A1.
                                                                                                                                                            ABU07736 standard;
Human A-33 related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABU72059 standard; protein; 299 AA.
Novel human secreted and transmembrane
US2002177165-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human secreted/transmembrane US2003036179-A1.
                                                     Human junctional WO2003008541-A2.
                                                                                                                                                                                                                                                        Human secreted
                                                                 AAO16451 standard; protein; 299 AA.
Human junctional adhesion molecule
                                                                                                                          (GETH ) GENENTECH INC.
                                                                                                                                        US2002182206-A1.
05-DEC-2002.
                                                                                                                                                                                                                                            US2003036060-A1.
                                                                                                                                                                                                                                                                                                                                                    ABU67160 standard; protein; 299 AA.
Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    28-NOV-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABU64519 standard; protein; 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABO25023 standard; protein; 299 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     23-JAN-2003
                                            30-JAN-200
                                                                                                                                                                                                                        (GETH )
                                                                                                                                                                                                                                 20-FEB-2003
                                                                                                                                                                                                                                                                   ABO14885 standard; protein; 299 AA.
                                                                                                                                                                                                                                                                                                                   (GETH )
                                                                                                                                                                                                                                                                                                                                         US2003032062-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
                                  (BLIL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                      ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ocal Similarity
                                                                                                                                                                                  2003.
) GENENTECH INC.
100.0%; %
         Similarity
                                LILLY & CO ELI
                                                                                                                                                                                                                                                                                                                  GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENENTECH INC.
                                                                                                                                                                                                                                                       / transmembrane polypeptide
                                                                                                                                                           protein; 299 AA. antigen PRO301.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein; 299 /
transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%;
                                                                                                                                                                                                                                                                                                                                                                                    100.0%;
                                                                                                   100.0%;
                                                                                                                                                                                                                                                                                          100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%;
          100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein
          Score
Pred.
                                                                                                   Score
Pred.
                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                         Score 1544; DB 6;
Pred. No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 1544;
Pred. No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AA.
le protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1544;
No. 7.
                                                                                                                                                                                               1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                       1544; DB 6;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1544;
No. 7.
          1544; DB 6;
No. 7.5e-105;
                                                                                                    1544; DB 6;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1544; DB 6;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (PRO)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #23
                                                                                                                                                                                                                                                                                                                                                    protein PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 6;
7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRO301.
                                                                                                                                                                                               DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #183
                                                                                                                                                                                                                                                          PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRO301
                   Length
                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                        299;
```

```
Query Match
Best Local S
RESULT 59
ID ADB19374
                                                                                                                                                                                                      Best I
RESULT I
ID AD
DE Hu
PN US:
PD 15
PA (G
                                                                                                                                                                                                                                                                                                                                                                      RESULT AD AD DE NO PN US PD 30 PA (GI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 52
                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                              Query Match
                                       Homo sapiens.
US2003049816-A1.
13-MAR-2003.
(GETH ) GENENTECH
                                                                                                                                           ADA18966 standard; protein;
Human PRO polypeptide #183.
US2003054517-A1.
                                                                                                                                                                                                                                                                                                ADA76316 standard; protein;
Human PRO polypeptide #183.
US2003073212-A1.
17-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABU79802 standard; protein; 299 AA Human secreted/transmembrane proteius2003032057-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABU69642 standard; protein; 299 AA. Novel human secreted and transmembrane US2003017463-A1.
ADB19374 standard; protein; 299 AA
                                                                                                                                                                                                                          Human secreted/transmembrane protein, US2003092002-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABO14824 standard; protein; 299 Human secreted / transmembrane US2003027143-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US2003032155-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABU67028 standard; protein; 299
Human secreted/transmembrane, PF
                                                                                                                                                                                                                                              ADB29324 standard; protein; 299 AA
                                                                                                                                                                                                                                                                                                                                                                                                    ADA45885 standard; protein; 299 AA.
Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
                                                                              ADA61589 standard;
                                                                                                                        (GETH )
                                                                                                                                 20-MAR-2003
                                                                                                                                                                                                      (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                         JS2003022328-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              23-JAN-2003
                                                                                                                                                                                                                                                                                                                                                                                  0-JAN-2003
                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                       2712-
2003.
) GENENTECH INC.
100.0%;
                   Similarity
                                                                                                                      GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENENTECH
                                       GENENTECH
                                                                                                                                                                                                                                                                                      GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INC.
                                                                               protein;
                   100.0%;
                                                                                                                                                                                   100.0%;
                                                                                                                                                                                                                                                                   100.0%;
                                                                                                                                                                                                                                                                                                                                                  100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%;
                                                                                                    100.
                                                                                                     299
                                                                                                                                                               299
                                                                                                                                                                                                                                                                                                                              299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein
                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                99 AA.
PRO,
                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                   Score 1544;
Pred. No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 1544;
Pred. No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  polypeptide
                                                                                                                                                                                                                                                                                                                               ξ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein
                                                                                                     1544;
No. 7
                                                                                                                                                                                   1544;
No. 7.
                                                                                                                                                                                                                                                                   1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                  1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                  1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRO301.
                                                                                                                                                                                                                                                                                                                                                                                                   protein PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein
                   DB 6;
                                                                                                                                                                                   DB 6;
                                                                                                                                                                                                                                                                   DB 6;
                                                                                                     DB 6;
                                                                                                                                                                                                                                                                                                                                                  DB 6;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 6;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 6;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 6;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 6;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ij
                                                                                                            Length
                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                          Length 299;
                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                             Length
                                                                                                              299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           299;
```

```
RESULT AD.
                                                                                                                                                                               Best Local Similarity
                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                      Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Novel human secreted and transmembrane US2003082711-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human PRO polypeptide #183. US2003082704-A1.
                                                                  ADB30546 standard; protein;
Human PRO polypeptide #183.
US2003068794-A1.
                                                                                                                                                                                                                               ABO32776 standard; protein; 299 AA. Human secreted/transmembrane protein US2003045693-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADB15958 standard; protein;
Human PRO polypeptide #183.
US2003087350-A1.
08-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel human secreted and transmembrane US2003068796-A1.
                                                                                                                                       ADA67539 standard; protein;
Human PRO polypeptide #183.
US2003068795-A1.
                                                                                                                                                                                                                        06-MAR-2003
                                                                                                                                                                                                                                                                                                              Human secreted/transmembrane US2003039971-A1.
                                                                                                                                                                                                                                                                                                                                                                                          ADA47744 standard; protein;
Human PRO polypeptide #183.
US2003073215-A1.
                                                                                                                               (GETH )
                                                                                                                                                                                                                                                                                                     27-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH )
         ADA85842 standard;
                                                 (GETH
                                                                                                                                                                                                                                                                                            (GETH
                                                                                                                                                                                                                                                                                                                                 ADA18180 standard; protein; 299 AA
                                                                                                                                                                                                                                                                                                                                                                          (GETH )
                                                                                                                                                                                                                                                                                                                                                                                    17-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH )
                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                           Local Similarity
                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ocal Similarity
                                                                                                                                                                                                                                                                                                                                          7321.
-2003.
) GENENTECH INC.
100.0%;
human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENENTECH INC.
                                                GENENTECH INC.
                                                                                                                              GENENTECH INC.
                                                                                                                                                                                                                                                                                          GENENTECH INC.
andard; protein; 299 AA. secreted and transmembrane protein PRO301.
                                                                                                           100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%;
                             100.0%;
                                                                                                                                                                                          100.0%;
                                                                                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .0%;
                                                                                                                                                                       299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              299
                                                                                        299
                                                                                                                                                                                                                                                                                                                                                                                                                299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           299
                                                                                                                                                                                                                                                                                                                        protein,
                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                             Score
Pred.
                                                                                                           Score
Pred.
                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 1544;
Pred. No. 7.
                                                                                                                                                                       ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ₿
                                                                                                                                                                                                                                                                        1544;
No. 7.
                             1544;
No. 7.
                                                                                                                                                                                          1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                    1544; DB 6;
No. 7.5e-105;
                                                                                                            ĕ
                                                                                                                      1544;
                                                                                                                                                                                                                                                                                                                                                      1544; DB 6;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1544; DB 6;
No. 7.5e-105;
                                                                                                                                                                                                                                            PRO301.
                                                                                                                                                                                                                                                                                                                         #25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein
                                                                                                            4; DB 6;
7.5e-105;
                                                                                                                                                                                                                                                                        DB 6;
                                                                                                                                                                                           DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 6;
                             DB 6;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PR0301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRO301.
                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                      Length
                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        299;
                                                                                                                       299;
                                                                                                                                                                                                                                                                                  299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             299;
```

```
LUCY MATCH
Best Local Similarity
RESULT 77
ID ADA47263 strope
DE Human
PN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Lo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Loc
RESULT 70
                                                                                                                                               PR E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 69
                                                        PR PR II
                                                                                                                                                                                                                                                                             PA BR
                                                                                                                                                                                                                                                                                                                                                          PN DE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PA PN
                                                                                                                                                                          RESULT 75
                                                                                                                                                                                                                                                                                                                                                                                               RESULT 72
                                                                                                                                                                                                                                                                                                                                                                                                                                   BRBB
                                                                                                                                                                                                                                                                                                                       RESULT 73
                                                                                                                                                                                                                                                                                                                                  Query
Best I
                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                     Query Match
                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                     Human Protein;
Human Protein;
Human Protein;
US2003044793-A1.
06-MAR-2003
                                                                  Human PRO polypeptide #183.
US2003087351-A1.
                                                                                                                                         Novel human secreted and transmembrane US2003082694-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                        ADA87497 standard; protein; 299 AA.
Novel human secreted and transmembrane
US2003087345-A1.
                                                                                                                                                                                                            ADA16155 standard; protein; 299 AA. Human secreted/transmembrane protei US2003049621-A1.
                                                                                                                                                                                                                                                                                                                                                                    ADB16699 standard; protein;
Human PRO polypeptide #183.
US2003087349-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADA79358 standard; protein;
Human PRO polypeptide #183.
US2003082763-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US2003082693-A1.
01-MAY-2003.
(GETH ) GENENTEC
                                                                                                                                                                                                                                                                                                                                                                                                                                   08-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            אטאייטים standard; protein;
Human PRO polypeptide #183.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US2003082705-A1.
                                                                                                                                                                                                   (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
                                                                                                                             GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
                                                                                                                                                                                 ocal Similarity
                                                                                                           ocal Similarity
                                                                                                                                                                                                                                                         ocal Similarity
                                                                                                                                                                                                                                                                                                                                ocal Similarity
                                                                                                                                                                                                                                                                                                                                           Match
                                                                                                                                                                                                                                                                                                                                                                                                       ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ocal Similarity
           secreted/transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                         GENENTECH INC.
                                                                                                                                                                                                                                                                           GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENENTECH
                                                   INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INC.
                    protein;
                                                                                                           100.0%;
                                                                                                                                                                                  100.0%;
                                                                                                                                                                                                                                                         100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                100.0%;
                                     100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%;
                                                                                          299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          299
                    299 AA.
                                                                                                                                                                                                                                                                                                                299 AA
                                                                                                                                                                                                                                                                                                                                                                                       299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    299
                                                                                                                                                                                                                               protein,
           polypeptide PRO301
                                                                                                                                                                                 Score
Pred.
                                    Score
Pred.
                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ጅ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ₿
                                                                                                           1544;
No. 7.
                                                                                                                                                                                 1544;
No. 7
                                                                                                                                                                                                                                                         1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                      1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                1544; DB 6;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1544;
No. 7.
                                     1544; DB 6;
No. 7.5e-105;
                                                                                                                                                                                                                               #25
                                                                                                                                                        protein PRO301
                                                                                                                                                                                                                                                                                                                                                                                                        7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein PRO301
                                                                                                                                                                                                                                                        4; DB 6;
7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 6;
                                                                                                            DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 6;
.5e-105;
                                                                                                                                                                                 DB 6;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 6;
.5e-105;
                                                                                                                                                                                                                                                                  B
                                                                                                                                                                                                                                                                                                                                                                                                                В
                                             Length
                                                                                                                                                                                                                                                                                                                                        Length 299;
                                                                                                                   Length
                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 299;
                                                                                                                                                                                            299;
```

```
Query Match
Best Local Similarity
RESULT 86

ID ADA82249 standard; p
DE Human PRO polypeptid
PN US2003082701-A1.
PD 01-MAY-2003.
                                                                                                                                     Best Local Similarity RESULT 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Lo
RESULT 81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
RESULT 78
                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                06-MAR-2003.
(GETH ) GENENTECH INC.
(GETH ) 100.0%; (
                                                                                                   ADB24725 standard; protein; i
Human PRO polypeptide SEQ ID
US2003077713-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel human secreted and tra
US2003073211-A1.
17-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                  ABO43331 standard; protein; 299 Novel human secreted and transmous US2003044945-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADB19926 standard; protein; 299 AA. Novel human secreted and transmembr US2003082691-A1.
 ADA82249 standard; protein; 299 Human PRO polypeptide #183. US2003082701-Al. 01-MAY-2003.
                                                                                                                                                                                   Human secreted/transmembrane US2003054401-A1. 20-MAR-2003.
                                                                                                                                                                                                                                         (GETH) GENENTECH INC.

100.0%;
ry Match 100.0%;
t Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                        ADA74492 standard; protein;
Human PRO polypeptide #183.
US2003068798-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADB13238 standard; protein;
Human PRO polypeptide #183,
US2003082710-A1.
                                                                                           24-APR-2003
                                                                                                                                                                                                        ADA42300 standard; protein; 299 AA. Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                                                                                                                                        06-MAR-2003
                                                                              (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                               10-APR-2003
                                                                                                                                                                                                                                                                                                                                                               (GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US2003077722-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human PRO polypeptide #183.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADA94030 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH ) GENENTECH INC.
                                                                                                                                                                         (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                     ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ) GENENTECH INC.
                                                                                                                                                                       GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                            GENENTECH INC.
                                                                                                                                               100.0%;
                                                        100.0%;
                                                                                                                                                                                                                                                                                                                                     100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                              in; 299 AA.
transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      in; 299 AA.
transmembrane
                                                                                                              299
D NO
                                                                                                                                                                                                                                                                                                                 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          299
                                                        Score
Pred.
                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 1544;
Pred. No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 1544; DB 6;
Pred. No. 7.5e-105;
                                                                                                               AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ጅ
                                                        1544;
No. 7.
                                                                                                                                                  1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                       1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1544;
No. 7.
                                                                                                                                                                                                                                            1544; DB 6;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1544; DB 6;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       protein
                                                                                                                                                                                                                                                                                                                                                                                               protein
                                                         DB 6;
                                                                                                                                                                                                                                                                                                                                       DB 6;
7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 6;
.5e-105;
                                                                                                                                                  DB 6;
                                                                                                                                                             DB
                                                                                                                                                                                                                                                                                                                                                                                                                                             DB
                                                                                                                                                                                                                                                                                                                                                                                                PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                   Length
                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                   299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       299;
```

```
Best RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
RESULT 87
                                                               Query Match
                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                Human PRO polypeptide #183.
US2003082761-A1.
01-MAY-2003.
(GETH ) GENENTECH TWO
                                                                                                                                                                            Human PRO polypeptide #183. US2003082703-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADA75212 standard; protein;
Human PRO polypeptide #183.
US2003073216-A1.
ADB25285 standard; protein; 2
Human PRO polypeptide SEQ ID
US2003077715-A1.
24-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                               ABO17514 standard; protein;
Human PRO polypeptide #21.
US2003064367-A1.
                                                                                              ADA46989 standard; protein;
Human PRO polypeptide #183.
US2003073210-A1.
                                                                                                                                                                                                                                                                                                                                                             ADB29994 standard; protein;
Human PRO polypeptide #183.
US2003073214-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADA84738 standard; protein; 299 AA.
Novel human secreted and transmembrane protein PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US2003082695-A1.
01-MAY-2003.
                                                                                      17-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                           03-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       JS2003082708-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel human secreted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NDA85290 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GETH ) GENENTECH
                                                                                                                                                              (GETH ) GENENTECH INC.
                                                                        GETH ) GENENTECH INC.
                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                              Local Similarity
                                                    ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                       ocal Similarity
                                                                                                                                                                                                                                                                                                                                       GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%;
                                                    100.0%;
                                                                                                                                         100.0%;
                                                                                                                                                                                                                             100.0%;
                                                                                                                                                                                                                                                                                                                   100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 299 AA.
                     299
NO
                                                                                                                    299
                                                                                                                                                                                                         299
                                                                                                                                                                                                                                                                                              299
                                                                                                                                                                                                                                                                                                                                                                                   299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        299 AA
                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                         Score
Pred.
                                                    Score 1544;
Pred. No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 1544;
Pred. No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ₿
                                                                                                                                                                                                                               1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                        1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1544;
No. 7.
                                                                                                                                         1544;
No. 7.
                                                                                                                                                                                                                                                                                                                    1544; DB 6;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1544; DB 6;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein PRO301
                                                                                                                                                                                                                                                                                                                                                                                                        DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 6;
7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 6;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 6;
                                                     DB 6;
.5e-105;
                                                                                                                                          DB 6;
                                                                                                                                                                                                                               DB 6;
.Se-105;
                                                                                                                                                                                                                                                                                                                              B
                                                                                                                                                   BB
                                                              Length
                                                                                                                                                                                                                                         Length 299;
                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        299;
```

```
Best Local Similarity RESULT 99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
RESULT 96
                                                             Query Match
Best Local Similarity
RESULT 104
                                                                                                                                        Query Match
Best Local Similarity
RESULT 103
                                                                                                                                                                                                                     Best Local Similarity RESULT 102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human PRO polypeptide #183.
US2003092147-A1.
15-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human PRO polypeptide #183.
US2003077721-A1.
                                                                                                    Human PRO polypeptide #183. US200308279-A1.
                                                                                                                                                                                        ADA81074 standard; protein;
Human PRO polypeptide #183.
US2003082702-A1.
                                                                                                                                                                                                                                                                  ADA96502 standard; protein;
Human PRO polypeptide #183.
US2003082690-A1.
                                                                                                                                                                                                                                                                                                                                              ADB24173 standard; protein; 2
Human PRO polypeptide SEQ ID
US2003077714-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens.
US2003049817-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADB31098 standard; protein;
Human PRO polypeptide #183.
US2003096386-A1.
22-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                182003.
24-APR-2003.
(GETH) GENENTECH INC.
(GETH) 100.0%;
                                 ADB26259 standard; protein;
Human PRO polypeptide #183.
US2003082760-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                            ADA61026 standard; protein; 299 AA.
                        01-MAY-2003
                                                                                          (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH )
                                                                                                                                                                     (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                 (GETH )
                                                                                                                                                                                                                                                                                                                                                                                    ocal Similarity
                                                                                                                                                                                                                                                                                                        ocal Similarity
                                                                                                                                                                                                                                                GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENENTECH INC.
                                                                                                                                                                                                                                                                                                                           GENENTECH INC.
               GENENTECH
INC.
100.0%;
                                                                       100.0%;
                                                                                                                                                                                                                              100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%;
                                                                                                                                                  100.0%;
                                                                                                                                                                                                                                                                                                         100.0%;
                                                                                                                                                                                                                                                                                                                                                                                     100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%;
                                                                                                                                                                                                                                                                                                                                                         299
NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     299
                                                    299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               299
                                                                                                                                299
                                                                                                                                                                                                             299
                                                                                                                                                                                                                                                                                       299
                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                       Score
Pred.
                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
      Score 1544;
                                                                                                                                                                                                                                                                                                                                                         366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ⋛
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1544; LL
No. 7.5e-105;
                                                                       1544;
No. 7.
                                                                                                                                                   1544;
No. 7.
                                                                                                                                                                                                                                                                                                         1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                   1544; DB 6;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1544; DB 6;
No. 7.5e-105;
                                                                                                                                                                                                                               1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 6;
                                                                        DB 6;
                                                                                                                                                                                                                                                                                                         DB 6;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 6;
.5e-105;
                                                                                                                                                                                                                                DB 6;
                                                                                                                                                    DB 6;
      멂
                                                                                                                                                                                                                                        DB
       6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                  Length 299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
      Length
                                                                                Length
                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             299;
```

```
PR DE
                                                                                                                                                            PA PR
                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 111
                                                                                                                                                                                                                                                    BBBB
                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 110
                                                                                                                                                                                                                                                                                                                                                                                                                 PN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Loc
RESULT 107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity RESULT 106
                                                RESULT 113
                                                                                                                               RESULT 11
                                                                                                                                                                                                                                                                                                                                                                          RESULT 109
                                                                                                                                                                                                                                                                                                                                                                                                                                    BB
                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 108
                                                                                                                                        Query Match
Best Local
                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                           Novel human secreted and transmembrane US2003082709-A1.
            Novel human secreted and transmembrane US2003054516-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human PRO polypeptide #183.
US2003077710-A1.
24-App-2007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human PRO polypeptide #183. US2003068797-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADB21744 standard; protein; Novel human secreted and tra
                                                                                      ADA88049 standard; protein; 299 AA. Novel human secreted and transmembrane US2003082700-A1.
                                                                                                                                                                               US2003082540-A1.
                                                                                                                                                                                        ADA41876 standard; protein; 299 AA..
Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                    US2003049622-A1.
13-MAR-2003.
                                                                                                                                                                                                                                                                      ADA13008 standard; protein; 299 AA.
Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                                                                                                            Human secreted/transmembrane US2003039969-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                24-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US2003082765-A1.
                                                                                                                                                                                                                                                                                                                                                                ADA16579 standard;
                                                                                                                                                           (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                          (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GETH ) GENENTECH INC.
                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                   ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ocal Similarity
                                                                             GENENTECH INC.
GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                     GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                protein;
                                                                                                                                                                                                                     100.0%;
                                                                                                                                                                                                                                                                                                    100.0%;
                                                                                                                                                                                                                                                                                                                                                                                   100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%;
                                                         100.0%;
                                                                                                                                        100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            299
                                                                                                                                                                                                                                                                                                                                                                299 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          299 AA.
                                                                                                                                                                                                                                                                                                                                                      protein,
                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pred.
                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                    Score 1544;
Pred. No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 1544;
Pred. No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ጅ
                                                                                                                                        1544;
No. 7.
                                                                                                                                                                                                                      1544;
No. 7.
                                                          1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                   1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NO.
                                                                                                                                                                                         #25.
                                                                                                                                                                                                                                                                        #25
                                                                                                                                                                                                                                                                                                                                                      #25.
                                                                                                                                                                                                                                                                                                    14; DB 7;
7.5e-105;
                             protein
                                                                                                          protein
                                                                                                                                                                                                                                                                                                                                                                                                                                   protein PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein PRO301.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 7;
                                                                                                                                        DB 7;
.5e-105;
                                                                                                                                                                                                                       DB 7;
.5e-105;
                                                         DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 6;
.5e-105;
                             PRO301
                                                                  Length
                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                 Length
                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          299;
                                                                     299;
                                                                                                                                                                                                                                299;
                                                                                                                                                  299;
```

Match

Similarity

100.0%;

Score Pred.

1544; DB 7; No. 7.5e-105;

Length

```
Query Match
Best Local S
RESULT 118
                        Best Local
RESULT 123
                                                                                                      Best Local Similarity RESULT 122
                                                                                                                                                                                   Best Local Similarity
RESULT 121
                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 114
                                               Query Match
                                                                                                                             Query Match
                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                   Human PRO polypeptide #183.
US2003082686-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                        Human PRO polypeptide #183.
US2003059909-A1.
27-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human secreted/transmembrane US2003017498-A1.
                                                                  ADB22296 standard; protein; 299 AA.
Novel human secreted and transmembrane
US2003087344-A1.
                                                                                                                                                  ADB27363 standard; protein; 299
Human PRO polypeptide #183.
US2003022239-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADB29019 standard; protein;
Human PRO polypeptide #183.
US2003082706-A1.
01-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADB28467 standard; protein;
Human PRO polypeptide #183.
US2003082699-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human secreted/transmembrane US2003054351-A1.
                                                         08-MAY-2003.
                                                                                                                                        30-JAN-2003.
ABO19860 standard; protein; 299 AA.
Human secreted/transmembrane protei
                                                                                                                                                                                                                                                                                                                                         US2003073213-A1.
                                                                                                                                                                                                                                                                                                                                                    ADA88601 standard; protein; 299 AA.
Novel human secreted and transmembr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADA42726 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADA17223 standard; protein;
                                                                                                                                                                                                                                                                                                                  (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                          ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                          2003.
) GENENTECH INC.
100.0%;
100.0%;
                                                                                                                                                                                                                      ) GENENTECH INC
                                   Similarity
                                                                                                                                                                                                                                                                                                                  GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%;
                                   100.0%;
                                                                                                                100.0%;
                                                                                                                                                                                               100.0%;
                                                                                                                                                                                                                                                                                           100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%;
                                                                                                                                                                                                                                                                                                                                                    and transmembrane protein PRO301
                                                                                                                                                                                                                                                                      299
                                                                                                                                                                                                                                                                                                                                                                                                                                                           299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         299 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     299
protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein,
                                   Score
Pred.
                                                                                                                  Score
Pred.
                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                          Score 1544; DB 7;
Pred. No. 7.5e-105;
                                                                                                                                                                                                                                                                      ₽
                                    1544;
No. 7
                                                                                                                  1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                 1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                       1544; DB 7;
No. 7.5e-105;
  PRO302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #25
                                                                               protein
                                    DB 7;
7.5e-105;
                                                                                                                  DB 7;
7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                             Length
                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                             Length
                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                299;
                                                                                                                                                                                                                                                                                                         299;
```

```
Match

dest Local Similarity

RESULT 124

ID ABO17575 stand

DE Human PRO
PN US200
Best Local Similarity
RESULT 132
ID ADB66578 standard The Novel human
                                                                                                                                                                                                                                                                                                               RESULT
ID ANDE NO PN UPN UPD 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 125
                                                                                                                                                                                                                                                                                                                                                                        Human PRO polypeptide SEQ ID NO 366.
US2003077712-A1.
24-APR-2003.
(GETH) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                 Novel human secreted and tra
US2003082712-A1.
   ADB66578 standard; protein; 299 AA. Novel human secreted and transmembr US2003082689-A1.
                                                                                                                                                      Novel human secreted and tra
US2003082766-Al
                                                                                                                                                                                                                                  Human PRO polypeptide #183. US2003087352-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #183.
US2003077711-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABO17575 standard; protein; 299 AA Human PRO polypeptide #21. US2003064923-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADA66987 standard; protein;
Human PRO polypeptide #183.
US2003068793-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US2003044902-A1
06-MAR-2003.
                                                                                          ADB38106 standard; protein; 299 AA.
Novel human secreted and transmembrane
                                                             (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24-APR-2003
(GETH ) GEN
                                                                                                                                          GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                     GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GETH ) GENENTECH INC.
                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                    ocal Similarity
                                                                                                                                                                                                                                                                                  ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ocal Similarity
                                                                                                                                                                                          2003.
) GENENTECH INC.
100.0%; ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENENTECH INC.
                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                 100.0%;
                                                                                                                                                                                                                                                                                                                                                                100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%;
                                         100.0%;
                                                                                                                                                                      rotein; 299 AA. and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%;
                                                                                                                                                                                                                                                                                                                                  in; 299 AA.
transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    299
                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                         Score
Pred.
                                                                                                                                                                                                    Score 1544; DB 7;
Pred. No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                Score 1544;
Pred. No. 7.
                                                                                                                                                                                                                                                              ₽
                                         1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                             1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1544;
No. 7
                                                                                                                       1544;
No. 7.
                                                                                                                                                                                                                                                                                  1544;
No. 7.
                                                                                          protein PRO301
                                                                                                                                                                       protein
                                                                                                                                                                                                                                                                                                                                  protein
                                          DB 7;
7.5e-105;
                                                                                                                      DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 7;
'.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 7;
'.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                   DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                 DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                  Length 299;
                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 299;
                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                          299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        299;
                                                                                                                                                                                                                299;
```

transmembrane

protein

```
RESULT 136
ID ADB394
DE Novel
PN US2003
PD 01-MA1
PA (GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Loca
RESULT 134
                                             Best Local Similarity RESULT 141
                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 133
                                                                                                                                       Best Local Similarity RESULT 140
                                                                                                                                                                                                                                  Best Local Similarity RESULT 139
                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Loca
RESULT 135
                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    нимал PRO polypeptide #183.
ADB34483 standard; protein; 299
Human PRO polypeptide SEQ ID NO
US2003077717-A1.
24-APR-2003.
                                                                                                                                                                                   US2003082697-A1.
01-MAY-2003.
                                                                                                                                                                                                          ADB86721 standard; protein;
Human PRO polypeptide #183.
                                                                                                                                                                                                                                                                                         Novel human secr
US2003082687-A1.
                                                                                                                                                                                                                                                                                                                 ADB47114 standard;
                                                                                                                                                                                                                                                                                                                                                                                               ADB74781 standard; protein; 299 AA.
Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADB77645 standard; protein; Human secreted/transmembrane US2003077654-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADB90390 standard; protein;
Human PRO polypeptide #183.
US2003082762-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US2003082698-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-MAY-2003
                                                                                                                  Novel human
                                                                                                                                                                                                                                                                                                                                                                                    US2003082542-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US2003082764-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADB39491 standard; protein; 299 AA.
Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             24-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC.
                                                                                                      US2003082696-A1.
                                                                                                                             ADB77326 standard;
                                                                                                                                                                          (GETH )
                                                                                                                                                                                                                                                                    (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ocal Similarity
                                                                                                                                       2003.
) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -2003.
) GENENTECH INC.
100.0%; 5
                                                                                                                                                                                                                                                                   GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                             GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENENTECH INC.
                                                                               GENENTECH INC.
                                                                                                                 indard; protein; 299 AA.
secreted and transmembrane
                                                                                                                                                                                                                                                                                                  andard; protein; 299 AA. secreted and transmembr
                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%;
                                                                                                                                                                                                                                            100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%;
                                                                                                                                                                                                                                                                                                                                        100.0%;
                                                        100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%;
                                                                                                                                                                                                                                                                                                      transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           299
                                                                                                                                                                                                                       299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    protein,
                                                        Score
Pred.
                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                   Score 1544; DB 7;
Pred. No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                        Score 1544;
Pred. No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 1544; DB 7; Pred. No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 1544; DB 7; Pred. No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ₿
                                                        1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                                                             1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                  1544; DB 7;
No. 7.5e-105;
                                                                                                                 protein
                                                                                                                                                                                                                                                                                                      protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7.5e-105;
                                                         DB 7;
                                                                                                                                                                                                                                                                                                                                        DB 7;
.5e-105;
                                                                                                                  PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRO301
                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                   Length
                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          299;
```

```
Query Match
Best Local Similarity
RESULT 150
ID ADC18969 standard; p
DE Human secreted/trans
PN US2003036061-A1.
PD 20-FEB-2003.
PA (GETH ) GENENTECH IN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 142
                                                                                                                                                           Best Local Similarity RESULT 149
                                                                                                                                                                                                                                                                                                                                                                                                         8 8 B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 144
                                                                                                                                                                                                                                                          Best Local Similarity RESULT 148
                                                                                                                                                                                                                                                                                                                                                        RESULT 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
                      ADC18969 standard; protein; 2
Human secreted/transmembrane
US2003036061-A1.
                                                                                                                      ADC40141 standard; protein; 2
Human secreted/transmembrane
US2003059829-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                  ADB46534 standard; protein; 299 AA. Novel human secreted and transmembrane US2003082692-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADB36139 standard; protein;
Human PRO polypeptide SEQ II
US2003077720-A1.
                                                                                                                                                                                                                      Human secreted/transmembrane US2003059828-A1.
                                                                                                                                                                                                                                                                                                                   ADC28427 standard; protein; 2
Human secreted/transmembrane
US2003059772-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        24-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US2003077718-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADB35035 standard; protein; 299 AA.
Human PRO polypeptide SEQ ID NO 366.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AUBJ3931 standard; protein; 2
Human PRO polypeptide SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US2003077719-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADB35587 standard; protein; 2
Human PRO polypeptide SEQ ID
                                                                                                                                                                                                                                              ADC39627 standard; protein; 299 AA
                                                                                                                                                                                                                                                                                                                                                                                                         01-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US2003077716-A1.
                                                                                               (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ) GENENTECH INC.
100.0%; ;
                                                                                                                                                                                                                                                                                            GENENTECH INC.
                                                                                                                                                                                              GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENENTECH
                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%;
                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%;
                                                                         100.0%;
                                                                                                                                                                                                                                                                                                                                                                   100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ij
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             299 AA.
D NO 366.
                                                                                                                                                                                                                                                                                                                              299 AA.
le protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           299 AA.
D NO 366.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         299 AA.
D NO 366.
                                                  299 AA
                                                                                                                                              299 AA
                                                                                                                                 protein,
                                     protein,
                                                                                                                                                                                                                                 protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                      Score Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 1544;
Pred. No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 1544;
Pred. No. 7
                                                                          1544;
No. 7
                                                                                                                                                                                                                                                                    1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1544;
No. 7.
                                                                                                                                                                      1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                    1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                              protein PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4; DB 7;
7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4; DB 7;
7.5e-105;
                                                                                                                                                                                                                                                                      DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 7;
.5e-105;
                                                                         DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB
                                                                                                                                                                                                                                                                                Length 299;
                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                    Length 299;
                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
```

GENENTECH INC

```
Best Loca
RESULT 158
                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 155
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
RESULT 152
                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US20030.
13-MAR-2003.
(GETH ) GENENTECH INC.
(GETH ) 100.0%; (100.0%; (100.0%; (100.0%))
                                                                                                                                                                                                                                       ADC12911 standard; protein; ;
Human secreted/transmembrane
US2003073079-A1.
17-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human secreted/transmembrane US2003054441-A1. 20-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADC34265 standard; protein; 2
Human secreted/transmembrane
US2003036094-A1.
20-FEB-2003.
                                      ADC71954 standard; protein; 299 AA. Novel human secreted and transmembr US2003092107-A1.
                                                                                                                                            ADC50407 standard; protein; 299 AA. Novel human secreted and transmembrane US2003092106-A1.
                                                                                                                                                                                                                                                                                                                                                         ADC33841 standard; protein; 299 AA. Human secreted/transmembrane protein, US2003073077-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADC29320 standard; protein; i Human secreted/transmembrane US2003049676-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADC40736 standard; protein; 299 AA.
Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human secreted/transmembrane US2003049677-A1.
                                                                                                                     (GETH
                                                                                                                                                                                                                            (GETH
                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADC19393 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US2003054400-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADC28851 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH INC.
                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                      ocal Similarity
                                                                                                                  ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENENTECH INC.
             GENENTECH
                                                                                                                                                                                                                         GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity
               INC.
                                                                                         100.0%;
                                                                                                                                                                                                100.0%;
                                                                                                                                                                                                                                                                                                        100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                               100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%;
00.0%;
                                                    transmembrane
                                                                                                                                                                                                                                                                299 AA.
ne protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              299 AA.
le protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           299 AA.
e protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              299 AA.
e protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     299 AA.
Protein,
                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 1544;
Pred. No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 1544; DB 7;
Pred. No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
Score 1544;
                                                                                                                                                                                                Score 1544; DB 7;
Pred. No. 7.5e-105;
                                                                                                                                                                                                                                                                                                      Score 1544; DB 7;
Pred. No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 1544; DB 7;
Pred. No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 1544; DB 7;
Pred. No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                               Score 1544;
Pred. No. 7.
                                                                                          1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1544; DB 7;
No. 7.5e-105;
                                                    protein
                                                                                                                                                          protein PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                DB 7;
7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 7;
'.5e-105;
 BB
7;
                                                    PRO301
                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
Length
                                                                                                    Length
                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                          299;
```

```
RESULT 166
ID ADC545
DE NOVel
PN US2003
PD 08-MAY
PA (GETH
                                                                                                                                                                                                                                                                                               RESULT
ID AD
DE NO
PN US
PD 08
PA (G
                                                                                                                                                                                                                                                                                                                                                                      RESULT
ID AD
DE No
PN US
PD 08
PA (G
                                                                                                                                                                                                                                                                  pest Local Similarity
RESULT 165
                                                                         PPREI
                                                                                                                                                                                                                                B B B B
                                                                                                                                                                                                                                                                                                                                                                                                                                              PPRE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PA PA B I
                                                                                                                                                                                                                                                                                     Query Match
          Novel human secreted and tra
US2003087359-A1.
                                                                                                                                                                                                                               ADC65487 standard; protein;
Human PRO polypeptide #183.
US2003087362-A1.
08-MAY-2003.
                                                                                                                                                                                                                                                                                                                ADC50960 standard; protein; 299 AA.
Novel human secreted and transmembrane protein
US2003087361-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADC59933 standard; protein; 299 Novel human secreted and transme
                                                                                                 ADC53546 standard; protein; 299 AA.
Novel human secreted and transmembrane
                                                                                                                                                                       AUC54585 standard; protein;
Novel human secreted and tra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADC52940 standard; protein; Novel human secreted and tr. US2003087365-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADC57294 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US2003092105-A1.
                                                                                          US2003087364-A1.
                                                                                                                                                                  US2003087363-A1.
                                                                                                                                                                                                                                                                                                                                                                                        US2003087367-A1.
                                                                                                                                                                                                                                                                                                                                                                                                  Novel human
                                                                                                                                                                                                                                                                                                                                                                                                          ADC60485 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                JS2003087366-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel human secreted and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
                                                                                                                                                                                                                       GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                              GETH ) GENENTECH INC.
                                                                                                                             Local Similarity
                                                      Local Similarity
                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                           ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                      Match
                                                                       GENENTECH INC.
                                                                                                                                               GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                      GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENENTECH
GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                             GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                              andard; protein; 299 AA. secreted and transmembr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 INC.
100.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein;
                                                                                                                              100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%;
                                                      100.0%;
                                                                                                                                                                                                                                                                                                                                                    100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%;
                                                                                                                                                                                                    100.0%;
                                                                                                                                                                                                                                                                            100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%;
                                                                                                                                                                          in; 299 AA.
transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        transmembrane
                           transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                 transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 299
                                     299
                                                                                                                                                                                    299
                                                                                                                                                                                                                                                           299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         299
                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                             Score
Pred.
                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                           Score 1544;
Pred. No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pred.
                                     ₽
                                                                                                                                                                                                                                                           3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ⋧
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ⋛
                                                      No. 7.
                                                                                                                                                                                                      1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1544;
No. 7
                                                                                                                              1544;
No. 7.
                                                                                                                                                                                                                                                                             1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                    1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ŏ.
                          protein
                                                                                                   protein
                                                                                                                                                                           protein
                                                                                                                                                                                                                                                                                                                                                                                                protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       protein
                                                                                                                                                                                                                                                                                                                                                                                                                           ; DB 7;
7.5e-105;
                                                                                                                                                                                                     DB 7;
                                                                                                                                                                                                                                                                             DB 7;
'.5e-105;
                                                                                                                              DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                    DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 7;
.5e-105;
                                                      DB 7;
.5e-105;
                                                                                                  Seq
                                                                                                                                                                           Seq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Seq
                           Seq
                                                                                                                                                                                                                                                                                                                          PR0301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Seq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRO301
                                                                                                                                                                                                              Length
                                                              Length
                                                                                                                                     Length
                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 299;
                                                                                                                                                                            ID366
                                                                                                    ID366
                           ID366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ID366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ID366
                                                                299;
                                                                                                                                       299;
                                                                                                                                                                                                               299;
                                                                                                                                                                                                                                                                                                                                                                                                                                     299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             299;
                                                                                                                                                                                                                                                                                                                                                               299;
```

Similarity

100.0%;

Score 1544; Pred. No. 7

DB 7; .5e-105;

Length

```
Best Loc
RESULT 172
                                                                                                                                                                                                                                                                                                                               Best Loc
RESULT 174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 169
ID ADC55947 standard;
                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                   Query Match
                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                       Human PRO polypeptide #183. US2003194776-A1.
                                                                                                                                                                                                                                                                                               ADC69602 standard; protein;
Human PRO polypeptide #183.
US2003194770-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel human secreted and transmes US2003087346-A1.
                                       US2003087354-A1.
08-MAY-2003.
                                                           ADD04595 standard; protein; Novel human secreted and tra
                                                                                                                                                                                                               ADC48491 standard; protein;
Human PRO polypeptide #183.
US2003194773-A1.
                                                                                                                                                                                                                                                                                                                                                                                           ADC90183 standard; protein; 299 AA. Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel human secreted and tra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADC12363 standard; protein; i Human secreted/transmembrane US2003082541-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADC55947 standard; protein; 299 AA. Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US2003087360-A1.
                                                                                                                                                                                                                                                                                                                                                                                 US2003087348-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US2003092104-A1.
                                                                                                              (GETH )
                                                                                                                                                                                               (GETH )
                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH ) GENENTECH INC.
Local Similarity
                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                          ocal Similarity
                                                                                         ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ocal Similarity
                                                                                                                                                                                                                                                         ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                         ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                               ) GENENTECH INC. 100.0%;
                                                                                                                                                                                             GENENTECH INC.
                            GENENTECH INC
                                                                                                            GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                              GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INC.
                                                                                                                                                                          100.0%;
                                                                                                                                                                                                                                                                                                                                         100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100
                                                                                         100.
                                                                                                                                                                                                                                                         100.0%;
         100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           rotein; 299 AA.
and transmembrane protein PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           and transmembrane
                                                                                         0.04;
                                                           in; 299 AA.
transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          299
                                                                                                                                                                                                                                                                                                                      299 AA
                                                                                                                                                       299
                                                                                                                                                                                                                                       299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           299 AA.
protein,
                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
         Score
Pred.
                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
          1544;
No. 7.
                                                                                         1544;
No. 7
                                                                                                                                                                                                                                                                                                                                          1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1544;
No. 7
                                                                                                                                                                          1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                                                                           1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                        1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1544; DB 7;
No. 7.5e-105;
                                                            protein
                                                                                                                                                                                                                                                                                                                                                                                           protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein Seq
          DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 7;
.5e-105;
                                                                                         DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                          DB 7;
.5e-105;
                                                            PRO301
                                                                                                                                                                                                                                                                                                                                                                                            PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Seq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                   Length
                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                   Length
                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ID366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ID366.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     299;
                                                                                                     299;
                                                                                                                                                                                     299;
                                                                                                                                                                                                                                                                     299;
                                                                                                                                                                                                                                                                                                                                                     299;
                                                                                                                                                                                                                                                                                                                                                                                                                                     299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     299;
```

```
BREG
                                                                                               Best Local Similarity RESULT 186
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 182
           RESULT
                                                                                                                                                                                       Best Local Similarity RESULT 185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 179
                                                                                                                                                                                                                                                                            RESULT 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 181
                                Query Match
                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                 US2003.
16-OCT-2003.
(GETH ) GENENTECH INC.
(GETH ) 100.0%;
March 1-1ty 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US20031.
16-OCT-2003.
(GETH) GENENTECH INC.
(GETH) 100.0%; (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human PRO polypeptide #183. US2003194771-A1.
                                                                                                                                             Human PRO polypeptide #183. US2003194775-Al.
                                                                                                                                                                                                                                         ADD11303 standard; protein; 2 Human secreted/transmembrane US2003105013-A1.
                                                                                                                                                                                                                                                                                                                          Novel human secreted and transmembrane US2003087358-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADC80551 standard; protein; 299 AA. Novel human secreted and transmembr US2003092103-A1.
ADD03500 standard; protein; 299 AA
                                                    US2003104381-A1.
05-JUN-2003.
                                                                         ADD03924 standard; protein; 299 AA. Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                                                                                                                                                                            US2003104469-A1.
05-JUN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                  ADD04918 standard; protein; 2
Human secreted/transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human secreted/transmembrane US2003105011-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADD11058 standard; protein;
Human PRO polypeptide #183.
US2003194774-A1.
                                          (GETH ) GENENTECH INC.
                                                                                                                                                                                                                    (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                   (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADD10343 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                                       Local Similarity
                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                             cal Similarity
                                                                                                                                                                                                                                                                                                             GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENENTECH INC.
                                                                                                                                                                                                                                                                 protein; 299 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%;
                                                                                                                                                                                                 100.0%;
                                                                                                                                                                                                                                                                                                                                                                             100.0%;
                                                                                                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
                     100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 299
                                                                                                                                                                            299
                                                                                                                                                                                                                                                                                                                                                                                                                                              299 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            299 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRO
                                                                                                                                                                                                                                                                                                                                                                                                                                  protein,
                                                                                                                                                                                                                                                       PRO polypeptide
                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                  Score 1544; DB 7;
Pred. No. 7.5e-105;
                                                                                                                                                                            ያ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               polypeptide
                    1544;
No. 7.
                                                                                                                                                                                                                                                                                       1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                              1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1544;
No. 7.
                                                                                                          1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1544; DB 7;
No. 7.5e-105;
                                                                           #25.
                                                                                                                                                                                                                                                                                                                                                                                                                                    #25.
                                                                                                                                                                                                                                                                                                                                             protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 7;
.5e-105;
                     DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                       DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                              DB 7;
.5e-105;
                                                                                                                                                                                                                                                        #27
                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 299;
                                Length
                                                                                                                     Length
                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               299;
```

```
RESULT 193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Loca
RESULT 189
                     Best Local Similarity RESULT 196
                                                                                                       Query Match
Best Local Similarity
RESULT 195
                                                                                                                                                                                             Query Match
Best Local Similarity
RESULT 194
                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 192
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 188
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Loc
RESULT 191
                                        Query Match
                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                              Human PRO polypeptide #183.
US2003203431-A1.
                                                                Human PRO polypeptide #183.
US2003203430-A1.
                                                                                                                                                                                                                                          Human PRO polypeptide #183. US2003194779-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADD41181 standard; protein; 299 AA. Novel human secreted and transmembr US2003203438-A1.
                       30-0CT-2003.

40-0CT-2003.

(GETH ) GENENTECH INC.

100.0%;

100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADD53060 standard; protein;
Human PRO polypeptide #183.
US2003194792-A1.
16-OCT-2003.
                                                                                                                                                                                                                                                                                                                                05-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                          Novel human secre
US2003203437-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADD52320 standard; protein;
Human PRO polypeptide #183.
US2003194769-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human secreted/transmembrane protein,
ADD54183 standard; protein; 299 AA.
Novel human secreted and transmembrane
                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                      Human secreted/transmembrane
US2003105012-A1
                                                                                                                                                                                                                                                                                                                                                              ADD37096 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADD53612 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US2003108983-A1.
12-JUN-2003.
                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                       indard; protein; 299 AA.
secreted and transmembrane
                                                                                                                 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                  100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                             100.0%;
                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     transmembrane
                                                                                              299
                                                                                                                                                                                                                                                                         299
                                                                                                                                                                                                                                                                                                                                                              299
                                                                                                                                                                                   299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            299
                                                                                                                                                                                                                                                                                                                                                   PRO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                               Score
Pred.
                                                                                                                   Score
Pred.
                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 1544;
Pred. No. 7.
                                                                                                                                                                                    B
                                                                                                                                                                                                                                                                                                                                                              ₽
                                                                                                                                                                                                                                                                                                                                                  polypeptide
                               1544;
No. 7.
                                                                                                                                                                                                       1544;
No. 7.
                                                                                                                                                                                                                                                                                              1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1544;
No. 7.
                                                                                                                    1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                  1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1544; DB 7;
No. 7.5e-105;
protein PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                       protein PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            7.5e-105
                                                                                                                                                                                                         DB 7;
                                                                                                                                                                                                                                                                                              DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 7;
                               DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                   DB 7;
5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 7;
                                                                                                                                                                                                                                                                                                                                                   #27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRO301
                                                                                                                             Length
                                         Length
                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   299;
```

US2003203432-A1

```
RESULT 204
ID ADE178
DE Human
PN US2003
PD 23-OCT
                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
RESULT 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Loca
RESULT 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                      Best Local Similarity
                                                                                                                                 Query Match
                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                        Human PRO polypeptide #183.
US2003194772-A1.
16-OCT-----
                                                                                                                                                                                                                                                                                                                        Human PRO polypeptide #183.
US2003199056-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human PRO polypeptide US2003199055-A1. 23-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADD92500 standard; protein;
Human PRO polypeptide #183.
US2003199030-A1.
23-OCT-2003.
                                                                                                                                                                                                                                              ADD79463 standard; protein;
Human PRO polypeptide #183.
US2003203428-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                          ADE32307 standard; protein; 299 AA. Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADE04010 standard; protein;
Human PRO polypeptide #183.
US2003199057-A1.
ADD91948 standard; protein; 299
Human PRO polypeptide #183.
US2003199053-A1.
                                                                                        ADE17816 standard; protein;
Human PRO polypeptide #183.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADD91396 standard; protein;
Human PRO polypeptide #183.
                                                                                                                                                                                                                                                                                                                                                                                                                 US2003194765-A1.
                                                          (GETH ) GENENTECH INC
                                                                               US2003199023-A1
                                                                                                                                                                                                                           (GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                       Local Similarity
                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                       ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENENTECH
                                                                                                                                           GENENTECH INC.
                                                                                                                                                                                                      1 INC.
100.0%;
Y 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INC.
                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                                                        100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%;
                                       100.0%;
                                                                                                    299
                                                                                                                                                                                     299
                                                                                                                                                                                                                                                                    299
                                                                                                                                                                                                                                                                                                                                                     299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     299 AA
                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                        Score
Pred.
                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                    ጅ
                                                                                                                                                                                                                                                                     ጅ
                                                                                                                                                                                                                                                                                                                                                     ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ₿
                                        No. 7
                                                                                                                                                                                                                                                                                                                                                                          1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1544;
No. 7
                                                                                                                        1544;
No. 7.
                                                                                                                                                                                                        1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                        1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                        1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                           protein
                                                                                                                        DB 7;
7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 7;
                                                                                                                                                                                                                                                                                         DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 7;
.Se-105;
                                        DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                          DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                            PRO301
                                                 Length
                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 299;
                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   299;
```

```
Best Local Similarity RESULT 210
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 206
                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Loc
RESULT 208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 207
                              Best Local Similarity RESULT 214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                   Human PRO polypeptide #183.
US2003194768-A1.
                                                                        Human PRO polypeptide #183.
US2003199033-A1.
                                                                                                                                                       Human PRO polypeptide #183.
US2003199026-A1.
23-OCT-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADE33411 standard; protein; 299 Novel human secreted and transme US2003194767-A1.
                                                                                                                                                                                                                                                ADE34752 standard; protein; i
Human secreted/transmembrane
US2003077583-A1.
                                                                                                                                                                                                                                                                                                                                 ADE19472 standard; protein;
Human PRO polypeptide #183.
US2003199025-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADD80015 standard; protein;
Human PRO polypeptide #183.
US2003207417-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADE33963 standard; protein; 299 AA.
Novel human secreted and transmembrane
US2003194991-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           23-OCT-2003
Human PRO polypeptide #183.
US2003199059-A1.
                                                                                                                                                                                                                                         24-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
                    ADD95905 standard; protein;
                                                                                                                                             (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                (GETH )
                                                                                                                                                                                                                                                                                                             GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                         Local Similarity
                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                    94/0-
2003.
) GENENTECH INC.
100.0*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENENTECH INC.
                                                             GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENENTECH INC.
                                                                                                                                            GENENTECH INC.
                                                                                                                                                                                                                             GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%;
                                                                                                                                                                                                                                                                                         100.0%;
                                                                                                                        100.0%;
                                                                                                                                                                                                         100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%;
                                        100.0%;
                                                                                                                                                                                                                                                                                                                                                                            99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             in; 299 AA.
transmembrane
                                                                                                                                                                                                                                                           299 AA.
ne protein,
                                                                                                                                                                                      299
                                                                                                                                                                                                                                                                                                                                                       299
                                                                                                                                                                                                                                                                                                                                                                                                                                        299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        299
                     299 AA
                                                                                                    299 AA
                                                                                                                       Score
Pred.
                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                        Score
Pred.
                                                                                                                                                                                                                                                                                          Score 1544; DB 7;
Pred. No. 7.5e-105;
                                                                                                                                                                                      Ą
                                                                                                                                                                                                                                                                                                                                                                                                                                        ጅ
                                                                                                                                                                                                                                                                                                                                                       ξ
                                                                                                                                                                                                                                                                                                                                                                            1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1544;
No. 7.
                                        1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1544; DB /;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1544; DB 7;
No. 7.5e-105;
                                                                                                                        ŏ
                                                                                                                         1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                          1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           ŏ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              protein PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein
                                        DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                            DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                  Length
                                                                                                                                    Length
                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        299;
```

```
B B B B B
                                                                                                                                                                                                                                                                                                                                                                   RESULT 219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 215
                                                RESULT 223
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 217
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 216
                                                                                                                                                                                                                                                                                     RESULT 220
                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 218
                                                      Query Match
Best Local Similarity
                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                              Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
           Human PRO polypeptide #183.
US200319477-A1.
                                                                                 Human PRO polypeptide #183.
US2003199034-A1.
23-CCT-2003.
                                                                                                                                                                   Human PRO polypeptide #183.
US2003199031-A1.
23-OCT-2007
                                                                                                                                                                                                                                                                                                                                                                                                                 ADE42551 standard; protein;
Human PRO polypeptide #183.
US2003199032-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human PRO polypeptide #183. US2003203429-A1. 30-OCT-2003.
                                                                                                                                                                                                                                               ADD89595 standard; protein;
Human PRO polypeptide #183.
US2003199028-A1.
23-OCT-2003.
                                                                                                                                                                                                                                                                                                                                    ADD80567 standard; protein;
Human PRO polypeptide #183.
US2003207418-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US2003194766-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADE32859 standard; protein; 299 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human PRO polypeptide #183. US2003199064-71
                                                                                                                                                                                                                                                                                                                                                                                                           23-OCT-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC
                                                                           (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                   GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                 GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                    ocal Similarity
                                                                                                                                                                                                                  ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                           ocal Similarity
                                                                                                                                                        GENENTECH INC.
                                                                                                                                    100.0%;
                                                                                                                                                                                                                  100.0%;
                                                                                                                                                                                                                                                                                               100.0%;
                                                        100.0%;
                                                                                                                                                                                                                                                                                                                                                                            100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              299
                                     299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 299
                                                                                                                  299 AA
                                                                                                                                                                                                                                                                            299 AA
                                                                                                                                                                                                                                                                                                                                                          299 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                       299 AA
                                                                                                                                                                                               299 AA
                                                                                                                                                                                                                                                                                             Score
Pred.
                                                        Score
Pred.
                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ₿
                                                        1544;
No. 7
                                                                                                                                    1544;
No. 7
                                                                                                                                                                                                                  1544;
No. 7
                                                                                                                                                                                                                                                                                               1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                            1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                                  4; DB 7;
7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7.5e-105;
                                                                                                                                    7.5e-105;
                                                                                                                                                                                                                                                                                               7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                            DB 7;
.5e-105;
                                                        DB 7;
.5e-105;
                                                                                                                                             DB
                                                                                                                                                                                                                                                                                                          BB
                                                                                                                                                                                                                          Length 299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    299;
```

GENENTECH INC

```
Best Local Similarity
RESULT 224
ID ADCOUNT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local S
RESULT 225
RESULT 232
                                                                                           Best Local Similarity RESULT 231
                                                                                                                                                                                                                                                               Best Local Similarity RESULT 230
                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 229
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 228
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 227
                  Query Match
                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            USZVVJ...

06-NOV-2003.

(GETH ) GENENTECH INC.

(GETH ) 100.0%; (GETH ) 100.0%; (GETH ) 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              US20002...
06-NOV-2003...
(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC. 100.0%; (
                                             ADH59235 standard; protein; 299 AA. Human secreted/transmembrane protein, US2003039972-A1.
27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human PRO polypeptide #183, US2003207373-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADF97492 standard; protein;
Human PRO polypeptide #183.
US2003207370-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel human secreted and transmembrane US2003107355-A1.
                                                                                                                                                                                                                                                                                                                          ADG63772 standard; protein; 299 AA. Human secreted/transmembrane polypeptide PRO301. US2003170721-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                  ADG80004 standard; protein;
Human PRO polypeptide #183.
                                                                                                                                                                                                                                                                                                                                                                                                              US2003207372-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADG23157 standard; protein; Novel human secreted and traus2003207384-A1.
                                 (GETH ) GENENTECH INC.
                                                                                                                                                       (NAPI
                                                                                                                                                                                                                       numan PRO301 protein.
US2003171568-A1.
                                                                                                                                                                                                                                         ADH62528 standard; protein; 299 Human PRO301 protein.
                                                                                                                                                                                                                                                                                                   (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                             GURNEY A L.
NAPIER M A.
TUMAS D.
WOOD W I.
          Similarity
                                                                                                                                                                            GODDARD A.
                                                                                                                                                                                          FONG S.
                                                                                                                                                                                                    ASHKENAZI A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%;
                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                                                          100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%;
          100.0%;
                                                                                                                                                                                                                                                                            100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                 299 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            299 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                299 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             299 AA
                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                      Score 1544;
Pred. No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                            Score 1544;
Pred. No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 1544; DB 7;
Pred. No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 1544; DB 7; Pred. No. 7.5e-105;
                                                                                                                                                                                                                                                     ₿
          1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                          1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1544; DB 7;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              protein PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              protein PRO301
           DB 7;
7.5e-105;
                                                                                                                                                                                                                                                                             ; DB 7;
7.5e-105;
                                                                                                       DB 7;
                                                                                                                                                                                                                                                                                                                                                                          DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 299;
                     Length
                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
```

```
Best Local Similarity
RESULT 234
ID ADI38014 standard, p
DE Human secreted/trans
PN US2003054352-A1.
PD 20-MAR-2003.
PA (GETH) GENENTECH IN
                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 236
ID ADI650
DE Novel
PN US2003
PD 06-NOV
PA (GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT
ID AD
DE NO
PN US
PD 06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 233
ID ADH558
DE Novel
PN US2003
PD 06-NOV
PA (GETH
                                                                                                     Best
RESULT
                                                                                                                                                   RESULT
ID AD
DE NO
PN US
PD 06
                                                                                                                                                                                                                                                                                                                                       RESULT
ID AD
DE NO
PN US
PD 06
                                                                                                                                                                                                             Query Match
Best Local
                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                            Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US20032000.
06-NOV-2003.
(GETH ) GENENTECH INC.
(GETH ) 100.0%; 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US2U-2--
06-NOV-2003.
(GETH ) GENENTECH INC.
(BETH ) 100.0%; /
100.0%;
                                                                                                                                                              ADH81377 standard; protein; 299 AA. Novel human secreted and transmembr US2003207377-A1.
 ADM82546 standard;
                                                                              ADJ26282 standard; protein; 299 AA.
Human secreted/transmembrane protei
                                                                                                                                                                                                                                                                   ADH81929 standard; protein; 299 AA.
Novel human secreted and transmembrane protein PRO301
                                                                                                                                                                                                                                                                                                                                                               ADI63515 standard; protein; 299 AA. Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human secreted/transmembrane protein, US2003054352-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADH55848 standard; protein; 299 AA. Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US2003207381-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADI65016 standard; protein; 299 AA. Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADI64067 standard; protein; Novel human secreted and tra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel human secreted and transmember
                                                          US2003054349-A1.
20-MAR-2003.
                                                                                                                                                                                                                                                US2003207388-A1.
06-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                     JS2003207387-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                              JS2003207386-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADI38014 standard; protein;
                                                                                                                                                     6-NOV-2003
                                                                                                                                        GETH ) GENENTECH INC.
                                                                                                                                                                                                                                   GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                             GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                       GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GETH ) GENENTECH INC.
                     Local Similarity
                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                 ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                               Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ocal Similarity
                                            GENENTECH INC
protein;
                                                                                                                                                                                                                                                                                                                                                                                                100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                     100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%;
                     100.0%;
                                                                                                                 100.0%;
                                                                                                                                                                                                            100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    and transmembrane protein PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    in; 299 AA.
transmembrane
                                                                                                                                                                          transmembrane
 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           299 AA
                                                                              protein,
                                                                                                                                                                                                                                                                                                     Score
Pred.
                     Score
Pred.
                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                 Score 1544; DB 7;
Pred. No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 1544;
Pred. No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 1544;
Pred. No. 7
                                                                                                                                                                                                                                                                                                      1544;
No. 7.
                      1544; DB 7;
No. 7.5e-105;
                                                                                                                 1544;
No. 7.
                                                                                                                                                                                                             1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #25.
                                                                                                                                                                          protein
                                                                                                                                                                                                                                                                                                                                                               protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 7;
.5e-105;
                                                                                                                  DB 7;
.5e-105;
                                                                                                                                                                                                             DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                        DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                PR0301
                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PR0301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRO301
                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                   Length
                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                    299;
                                                                                                                                                                                                                                                                                                                                                                                                             299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         299;
                                                                                                                                                                                                                         299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         299;
```

```
Query Match
Best Local Similarity
RESULT 250
                                                                                                                                                                                                       Best Local Similarity RESULT 248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
RESULT 245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 242
                                                                                                              Best Local Similarity RESULT 249
                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 244
                                                                                                                                                                                                                                                                                                                                                                                     Best Loca
RESULT 246
                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                     Query Match
                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                  USZU----
29-MAY-2003.
(GETH) GENENTECH INC.
(GETH) 100.0%; //
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel human secreted and transmembra US2003087385-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel human secreted US2003087355-A1. 08-MAY-2003.
                                                                            ADD87915 standard; protein;
Human PRO polypeptide #183.
US2003092113-A1.
                                                                                                                                                                    ADD76551 standard; protein;
Human PRO polypeptide #183.
US2003100087-A1.
                                                                                                                                                                                                                                                 Human secreted/transmembrane US2003135025-A1.
                                                                                                                                                                                                                                                                                                                                          Novel human secr
US2003092115-A1.
15-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                          ADN14841 standard;
Novel human secrete
US2003087357-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         08-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADN15393 standard; protein; 299 Novel human secreted and transme US2003087356-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US2003087353-A1.
08-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel human secreted and transmanuscond                                                                                                                                                                                                                                                                         ADE79197 standard; protein; 299 AA.
Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                                                                                                                                           ADC81103 standard;
ADD86319 standard; protein;
Human PRO polypeptide #183.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                             9211.
-2003.
) GENENTECH INC.
100.0%; ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         27303.
) GENENTECH INC.
100.09
                                                         GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENENTECH
                                                                                                                                                                                                                                       GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                     GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                               andard; protein; 299 AA.
secreted and transmembrane protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                      andard; protein; 299 AA.
secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 INC.
100.
y 100.
                                                                                                                                                                                                                                                                                                                                                                                                100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                  100.0%;
                                 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      and transmembrane protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                100.0%;
                                  .04;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .04;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    transmembrane protein PRO301.
             299
                                                                                                     299
                                                                                                                                                                                             299
                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                        Score
Pred.
                                  Score
Pred.
                                                                                                                          Score
Pred.
                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 1544;
Pred. No. 7
                                                                                                     ₹
                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1544;
No. 7.
                                  1544;
No. 7
                                                                                                                          1544;
No. 7.
                                                                                                                                                                                                                  1544;
No. 7.
                                                                                                                                                                                                                                                                                                        1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                 1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1544;
No. 7.
                                                                                                                                                                                                                                                                         #25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              protein
                                    DB 8;
                                                                                                                           DB 8;
                                                                                                                                                                                                                                                                                                        DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                 DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 7;
'.5e-105;
                                                                                                                                                                                                                  DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 7;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                               PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRO301
                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                             Length
                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                     299;
                                                                                                                                                                                                                                                                                                                                                                                                             299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           299;
```

US2003203440-A1.

```
Best Local Similarity
RESULT 257
                                                                                                                                                                                                                                                                                                                                                         RESULT 254
ID ADE41
DE Human
PN US200
PD 29-MA
PA (GETH
BBI
                           Best Local Similarity RESULT 259
                                                                                                   Best Local Similarity RESULT 258
                                                                                                                                P P P P I
                                                                                                                                                                                                                  BABB
                                                                                                                                                                                                                                                      RESULT 256
                                                                                                                                                                                                                                                                                                  PR DE L
                                                                                                                                                                                                                                                                                                                                                                                                                                           PD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      B B B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
RESULT 251
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PR
B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 253
ID ADE73297 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 252
                                                                                                                                                                                                                                                                                                                              RESULT 255
                                                                                                                                                                                                                                                                                                                                                                                                                Query
Best I
                                                                                                                                                                                              Query Match
                                             Query Match
                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    query
                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                   Human PRO polypeptide #183. US2003092110-A1.
                                                                                                                                                                                                                                                                                           Human PRO polypeptide #183.
US2003092108-A1.
                                                                                                                                                                                                                                                                                                                                                      ADE41304 standard; protein; 2
Human secreted/transmembrane
US2003100497-A1.
29-MAY-2003.
(GETH.) GENENTECH INC.
                                                                            אטעעא standard; protein; Human PRO polypeptide #183.
Human PRO polypous
US2003199062-A1
                                                                       US2003203439-A1.
                                                                                                                                               US2003092111-A1.
                                                                                                                                                        Human PRO polypeptide
                                                                                                                                                                  ADE24538 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human secreted/transmembrane US2003129592-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADE75767 standard; protein;
Human PRO polypeptide #183.
US2003211571-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADE79621 standard; protein; 299 AA. Human secreted/transmembrane protein, US2003130489-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30-OCT-2003
                 ADE89229 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                             ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                               ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Match
                                                                                                 9211-
-2003.
) GENENTECH INC.
100.0%;
                                                                                                                                                                                                      GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENENTECH INC.
                                                     GENENTECH INC.
                                                                                                                                                                                                                                                                                GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                 GENENTECH INC.
     standard; protein;
polypeptide #183.
                                                                                                                                                        protein;
ide #183.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein;
                                                                                                                                                                                   100.0%;
                                                                                                                                                                                                                                                              100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                              100.0%;
                                   100.0%;
                                                                                                                                                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%;
                                                                                                                                                                                                                                             299
                                                                                          299
                                                                                                                                                                  299
                 299 AA
                                                                                                                                                                                                                                                                                                                      299
                                                                                                                                                                                                                                                                                                                                                                                              299 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       299 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 299
                                                                                                                                                                                                                                                                                                                                                                                     PRO
                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein,
                                                                                                                                                                                                                                                            Score
Pred.
                                   Score
Pred.
                                                                                                           Score Pred.
                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                   Score 1544;
Pred. No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 1544;
Pred. No. 7
                                                                                                                                                                                                                                            ₹
                                                                                          ₹
                                                                                                                                                                                                                                                                                                                      ⋛
                                                                                                                                                                                                                                                                                                                                                                                    polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1544;
No. 7.
                                                                                                                                                                                                                                                              1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                       1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                               1544;
No. 7.
                                   1544; DB 8;
No. 7.5e-105;
                                                                                                           1544; DB 8;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              #25.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4; DB 8;
7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4; DB 8;
7.5e-105;
                                                                                                                                                                                   DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 8;
.5e-105;
                                                                                                                                                                                                                                                              DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                                       DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                              DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                    #27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 299;
                                          Length
                                                                                                                    Length
                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                               Length 299;
                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    299;
```

```
Best Lock
RESULT 261
ID
                                       Query Match
Best Local Similarity
RESULT 268
                                                                                                                            Query Match
Best Local Similarity
RESULT 267
                                                                                                                                                                                                                Best Local Similarity RESULT 266
                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 264
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 263
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Loc
RESULT 262
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
RESULT 260
                                                                                                                                                                                                                                                                                                        Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                         US2U----
23-OCT-2003.
(GETH) GENENTECH INC.
(GETH) 100.0%; (
-- Match 12-1ty 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            23-OCT-2003.
(GETH ) GENENTECH INC.
Match 100.0%; {
                                                                            Human PRO polypeptide #183. US2003199052-A1. 23-OCT-2003.
Human PRO polypeptide #183. US2003199060-A1.
                                                                                                                                                                      ADE91108 standard; protein;
Human PRO polypeptide #183.
US2003199061-A1.
23-OCT-2003.
                                                                                                                                                                                                                                                           ADE94697 standard; protein;
Human PRO polypeptide #183.
US2003199027-A1.
23-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                    ADE88677 standard; protein;
Human PRO polypeptide #183.
US2003199054-Al.
23-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADE18368 standard; protein;
Human PRO polypeptide #183.
US2003194794-A1.
16-OCT-2003.
                                                                                                                                                                                                                                                                                                                                               Human secreted/transmembrane US2003211576-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human secreted/transmembrane protein, US2003148370-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US2003104558-A1.
05-JUN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADE41186 standard; protein; 299 AA.
Human secreted/transmembrane polypeptide
                                                                                                                                                           (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                               ADE99386 standard; protein; 299 AA
                                                                                                                                                                                                                                                                                                                                                                                                                          GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADE73832 standard; protein; 299 AA
                                                                                                                                                                                                                                                                                                                                       (GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                         GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                   GENENTECH INC.
                                                                                                                                                                                                                                                                                                               100.0%;
                                                                                                                                     100.0%;
                                                                                                                                                                                                                           100.
                                                                                                                                                                                                                                                                                                                                                                                                   100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%;
                                                                                                                                                                                                                            .
9
*
                                                                                                                  299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        299
                                                                                                                                                                                                       299
                                                                                                                                                                                                                                                                                            299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    299
                                                                                                                                                                                                                                                                                                                                                                    protein,
                                                  Score
Pred.
                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                              Score 1544;
Pred. No. 7.
                                                                                                                                      1544;
No. 7
                                                                                                                                                                                                                            1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1544;
No. 7
                                                  1544; DB 8;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                   1544; DB 8;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1544; DB 8;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 8;
                                                                                                                                      DB 8;
                                                                                                                                                                                                                           DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRO301.
                                                                                                                                                                                                                                                                                                                DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 8;
                                                           Length
                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                 Length
                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                            299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  299;
```

```
Que.
Best L.
RESULT 276
ID ADE7
DE HU'
PN ''
PD
                                                                                                                                                                                                    RESULT
ALL
DE HU
DE HU
DE HU
PN US
PD 044
PA (G

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT
ID AD
DE Hu
PN US
PD 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best
RESULT
ID AD
DE NO
PN US
PD 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT
ID AL
DE HU
PN US
PD 13
PA (C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         P P P P E E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
RESULT 269
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best
Best
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                              (DESN/) DESNOYERS L.
(GODD/) GODDARD A.
(GODD/) GODWSKI P J.
(GURN/) GURNEY A L.
(MATH/) MATHER J P.
(WILL/) WILLIAMS P M.
(WOOD/) WOOD W I.
                                                         ADF73796 standard; protein; 2
Human secreted/transmembrane
US2003180312-A1.
25-SEP-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADF34940 standard; protein;
Human PRO polypeptide #183.
US2003199029-A1.
                                                                                                                                                                                                                                                                                                                                              ADG40402 standard; protein; 2
Human secreted/transmembrane
US200325253-A1.
04-DEC-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human secreted/transmembrane US2003211568-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADE90556 standard; protein;
Human PRO polypeptide #183.
US2003199063-A1.
23-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADE92255 standard; protein; 299 AA. Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADE98932 standard; protein; 299 AA.
Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADE91703 standard; protein; 299 AA.
Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human secreted/transmembrane US2003211569-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADE98505 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 JS2003199058-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US2003199051-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GETH ) GENENTECH INC.
Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENENTECH INC
                                   GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%;
100.0%;
                                                                                                                                                            100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  299
                                                                                                                      299 AA
                                                                                                                                                                                                                                                                                                                                                                                                           299 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          299 AA.
protein,
                                                                                               protein,
                                                                                                                                                                                                                                                                                                                                                                                      protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                            Score 1544;
Pred. No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 1544;
Pred. No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 1544;
Pred. No. 7.
Score 1544;
Pred. No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1544; DB 8;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; DB 8;
7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 8;
7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 8;
7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 8;
DB 8;
                                                                                                                                                            DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  299;
```

```
Query Match
Best Local Similarity
RESULT 279
                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
RESULT 280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 278
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 277
                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 282
                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 281
                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                         Query Match
Best Local Similarity
                                                                                                                                                            Query Match
                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                          Query Match
        Ouery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human PRO polypeptide #183.
US2003207352-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human PRO polypeptide #183.
US200320736-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel human secreted and tra
US2003207360-A1.
                                  ADG16752 standard; protein;
Human PRO polypeptide #183.
US2003207359-A1.
                                                                                                                                                                                                                                                                                                                                                                                                              Human PRO polypeptide #183. US2003207422-A1.
                                                                                                             ADF99167 standard; protein;
Human PRO polypeptide #183.
US2003207353-A1.
                                                                                                                                                                                      ADG03446 standard; protein;
Human PRO polypeptide #183.
US2003207351-Al.
                                                                                                                                                                                                                                                                 ADF98615 standard; protein;
Human PRO polypeptide #183.
US2003208055-A1.
                                                                                                                                                                                                                                                                                                                                    US2003207426-A1.
                                                                                                                                                                                                                                                                                                                                                     ADG24261 standard; protein; 299 AA. Novel human secreted and transmembrane
                                                                                                                                                                                                                                                          06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      06-NOV-2003
                                                                                                                                                                                06-NOV-2003
                                                                                           (GETH )
                                                                                                                                                                       (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH )
                   (GETH )
                                                                                                                                                                                                                                               (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
ocal Similarity
                                                                                                                                                   ocal Similarity
                                                                                                                                                                                                                            ocal Similarity
                  GENENTECH INC.
                                                                                          GENENTECH INC.
                                                                                                                                                                     GENENTECH INC.
                                                                                                                                                                                                                                                                                                                          GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                   GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INC.
                                                                         100.0%;
                                                                                                                                                                                                                                                                                                                                                                                 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%;
                                                                                                                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100
                                                                                                                                                                                                                            100.0%;
                                                                                                                                                   100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   and transmembrane
100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      299
                                                                                                                                                                                                                                                                                                                                                                                                                                         299
                                                                                                                                                                                                                                                                                     299 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  299
                                                        299
                                                                                                                                  299
                                                                                                                                                                                                            299
                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
Score
Pred.
                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                         Pred.
                                                                                    Score
                                                                                                                                                                                                                                                                                                                                                                                                                                         B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ₹
                                                                         1544;
No. 7.
1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                  1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1544;
No. 7.
                                                                                                                                                                                                                                                                                                       1544;
No. 7.
                                                                                                                                                   1544; DB 8;
No. 7.5e-105;
                                                                                                                                                                                                                             1544; DB 8;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          1544; DB 8;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein
                                                                                                                                                                                                                                                                                                                                                      protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 8;
'.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                  DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                       DB 8;
.5e-105;
DB 8;
                                                                                    DВ
                                                                                    8
                                                                                                                                                                                                                                                                                                                                                       PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRO301
                                                                                                                                                             Length
                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
        Length
                                                                                   Length
                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               299;
                                                                                    299;
                                                                                                                                                              299;
                                                                                                                                                                                                                                        299;
                                                                                                                                                                                                                                                                                                                                                                                           299;
```

```
Best Loca
RESULT 294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BREU
          RESULT
                                                                                                                                                          Best Local Similarity RESULT 293
                                                                                                                                                                                                                                                                                                             RESULT 291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Loc
RESULT 288
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 287
                                                                                                                                                                                                                                   RESULT 292
                                                                                                                                                                                                                                                                                                                                                                                       RESULT 290
                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query
                            Query Match
                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #183. US2003207357-A1.
                                                                                                                        Human PRO polypeptide #183.
US2003207374-A1.
                                                                                                                                                                                            US2003207371-A1.
                                                                                                                                                                                                                                                                         Human PRO polypeptide #183.
US200321988-A1.
27-NOV-2009
                                                                                                                                                                                                                                                                                                                                                     Novel human secreted and transmembrane US2003207424-A1.
ADG03998 standard; protein;
                                                       US2003207389-A1.
                                                               ADG23709 standard; protein; 299 AA. Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human secreted/transmembrane US2003166051-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADG19478 standard; protein;
Human PRO polypeptide #183.
US2003207425-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADG05211 standard; protein;
Human PRO polypeptide #183.
US2003207375-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADF73372 standard; protein; 299 AA
                                    (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
                 Local Similarity
                                                                                          Local Similarity
                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                              ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ocal Similarity
                                                                                                                                                                                                                                                                                                                      ocal Similarity
                                                                                                                                                         -2003;
) GENENTECH INC.
100.0%;
-4+v 100.0%;
                                                                                                            GENENTECH INC.
                                                                                                                                                                                                                                                              GENENTECH INC.
                                                                                                                                                                                                                                            100.0%;
                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                                                                                               100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%;
                                                                                          100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%;
                  100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 299
299 AA
                                                                                                                                                 299
                                                                                                                                                                                                                          299
                                                                                                                                                                                                                                                                                                    299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       299
                                                                                                                                                                                                                                                                                                                                                                                                                                                      299 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    protein,
                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                   Score
Pred.
                                                                                         Score
Pred.
                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                    ጅ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 $
                                                                                                                                                                                                                          ₽
                                                                                                                                                                    1544;
No. 7.
                                                                                                                                                                                                                                                                                                                       1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                               1544;
No. 7
                  1544;
No. 7.
                                                                                          1544;
No. 7.
                                                                                                                                                                                                                                            1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1544; DB 8;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #25.
                                                               protein
                                                                                                                                                                                                                                                                                                                                                                    protein
                                                                                                                                                                    4; DB 8;
7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                7.5e-105;
                                                                                                                                                                                                                                             DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 8;
                  DB 8;
.5e-105;
                                                                                          DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                      DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                               DB 8;
.5e-105;
                                                                PRO301
                                                                                                                                                                                                                                                                                                                                                                     PRO301
                            Length
                                                                                                   Length
                                                                                                                                                                            Length
                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 299;
                            299;
                                                                                                                                                                                                                                                                                                                                                                                                        299;
```

```
RESULT 301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Loca
RESULT 297
                    Query Match
Best Local Similarity
RESULT 304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best
RESULT
                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 302
                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Loc
RESULT 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Loc
RESULT 296
                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                         Human PRO polypeptide #183. US2003207358-A1. 06-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                          Novel human secreted and transmembrane US2003194778-A1.
                                                                                                                                                                                                                                              Novel human secreted and transme US2003207428-A1.
                                                                                                                                                     ADG92215 standard; protein; 2
Human secreted/transmembrane
US2003027145-A1.
06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                           Novel human secreted and transmembrane US2003207390-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADG07196 standard; protein; 299 AA.
Novel human secreted and transmembrane
US2003207350-A1.
06-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADG24899 standard; protein; 299 AA. Novel human secreted and transmembr US2003207427-A1.
 ADG57451 standard; protein; 299 AA. Novel human secreted and transmembr
                                                                                                                                                                                                                                                                                                                                  06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADG07748 standard; protein; Novel human secreted and traus2003207356-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US2003207423-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human PRO polypeptide #183
                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                   ADG60907 standard; protein; 299
                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                 (GETH
                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                    720735.
7-2003.
A) GEMENTECH INC.
100.0%; 74-v 100.0%;
                                                                                                                                                                                                                                 ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%;
                                                                                                                     100.0%;
                                                                                                                                                                                                           100.0%;
                                                                                                                                                                                                                                                                                                 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 rotein; 299 AA.
and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              and transmembrane
 transmembrane
                                                                                                                                                                                                                                                                in; 299 AA.
transmembrane
                                                                                                                                                                         299 AA.
e protein,
                                                                                                 299
                                Score
Pred.
                                                                                                                     Score
Pred.
                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                 Score 1544;
Pred. No. 7
                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                   ₽
                                                                                                 ₿
                                1544;
No. 7
                                                                                                                                                                                                           1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                        1544;
No. 7.
                                                                                                                     1544; DB 8;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1544; DB 8;
No. 7.5e-105;
protein PRO301
                                                                                                                                                                                                                                                                protein
                                                                                                                                                                                                                                                                                                                                                        protein
                                                                                                                                                                                                                                                                                                                                                                                                                                              protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              protein
                                                                                                                                                                                                            DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 8;
.5e-105;
                                 DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                  DB
.5e-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                         DB 8;
5e-105;
                                                                                                                                                                                                                                                                                                                                                        PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                               PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRO301.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                Length
                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                           Length
                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                   299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     299;
```

```
JENENTECH .

JENEN
                                                                                                                    RESULT
ID AD
DE NO
PN US
PD 06
PA (G)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT
ID AI
DE No
PN US
PD 06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT
ID AI
DE NG
PN US
PD 06
PA (G
                                                                                                                                                                                                                                                                                         BBBBB
                                                                                                                                                                                                                                                                                                                                                                                                                                             BBBBB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PA BR BB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 309
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PA DE DE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT
                                                                                                                                                                                                                                                                                                                                                                   RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel human secreted and tra
US2003207365-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADG58555 standard; protein; 299 AA. Novel human secreted and transmembrane US2003207368-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel human secr
US2003207363-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADG92642 standard; protein; 299 AA. Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADG70921 standard; protein; 299 AA Novel human secreted and transmembs US2003207420-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADG56899 standard; protein; 299 AA.
Novel human secreted and transmembrane protein PRO301
                                                                                                                                                                   Novel human secreted and transmembi
                                                                                                                                                                                                                                                                                                                            ADG53587 standard; protein;
Novel human secreted and tra
                                                                                                                                                                                                                                                                                                                                              ADG53587 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADG58003 standard; protein; 299 Novel human secreted and transmo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US2003207362-A1
                                                                                                                                                           US2003207421-A1.
                                                                                                                                                                                                                                                                                                           US2003207415-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                JS2003027146-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     JS2003207364-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                         GETH ) GENENTECH INC.
                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                  ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENENTECH INC
                                                                                                                                                                                                                                                                      GENENTECH
                 polypeptide #183.
                                                                                                                      INC.
                                                                                                                                                                                                                                                                                                                                                                                  100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%;
                                                                               100.0%;
                                                                                                                                                                                                                                 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%;
                                                                                                                                                                                                                                                                                                                            in; 299 AA.
transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                transmembrane
                                                                                                                                                                            transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    transmembrane
                                              299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        299 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                 Score
Pred.
                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                  Score 1544;
Pred. No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 1544;
Pred. No. 7
                                            B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ξ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1544;
No. 7.
                                                                                 1544;
No. 7
                                                                                                                                                                                                                                   1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #25.
                                                                                                                                                                          protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein
                                                                                                                                                                                                                                                                                                                            protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; DB 8;
7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 8;
                                                                                 DB 8;
                                                                                                                                                                                                                                     DB 8;
                                                                                                                                                                                                                                                                                                                                                                                    DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                                PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRO301
                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                        299;
                                                                                                                                                                                                                                                                                                                                                                                                          299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             299;
```

```
Query Match
Best Local Similarity
RESULT 314
         BREU
                                                 Query Match
Best Local Similarity
RESULT 322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Loca
                                                                                                                                      Best Local Similarity RESULT 321
                                                                                                                                                                                                                                                                                                                                                                                           RESULT 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                         Query Match
                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                Novel human secreted and transmembr. US2003207366-A1.
                                                                                                                                                                                                                                                                                                                                                     Novel human secreted and tra
US2003207416-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human PRO polypeptide #183. US2003077723-A1. 24-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      06-NOV-2003
                                                                                                     ADH12613 standard; protein; 299 AA. Novel human secreted and transmembrane US2003207378-A1.
                                                                                                                                                                                                                                                                 ADG81108 standard; protein;
Human PRO polypeptide #183.
US2003194793-A1.
16-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                              ADG52411 standard; protein; 299 AA.
Novel human secreted and transmembrane
US2003207414-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADH11989 standard; protein; 299 AA. Novel human secreted and transmembr US2003207419-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADG63621 standard; protein; 299 AA.
Human secreted/transmembrane polypeptide PRO301.
US2003180796-A1.
                  ADG61459 standard; protein; 299 AA. Novel human secreted and transmembrane US2003207429-A1.
                                                                                  (GETH ) GENENTECH INC.
                                                                                                                                                                    (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                          GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ocal Similarity
                                                                                                                                                                                                                                  ocal Similarity
                                                                                                                                                                                                                                                                                                                    ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                      ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   77/22
-2003.
) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                           GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENENTECH INC
                                                                                                                                                                                                                                                      GENENTECH INC.
GENENTECH INC
                                                                                                                                                                                                                                                                                                                                        GENENTECH INC.
                                                                                                                                                100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%;
                                                            100.0%;
                                                                                                                                                                                                                                  100.0%;
                                                                                                                                                                                                                                                                                                                     100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%;
                                                                                                                                                                                                                                                                                                                                                                         and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             and transmembrane
                                                                                                                                                                                                     and transmembrane
                                                                                                                                                                                                                                                                                                 299
                                                                                                                                                                                                                                                                                                                                                                                    299 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             299
                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                            Score
Pred.
                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             B
                                                                                                                                                                                                                                  1544;
No. 7.
                                                                                                                                                                                                                                                                                                                    1544;
No. 7.
                                                             1544;
No. 7.
                                                                                                                                                1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                       1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1544; DB 8;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1544; DB 8;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1544; DB 8;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             protein PRO301
                              protein
                                                                                                                 protein PRO301
                                                                                                                                                                                                  protein PRO301
                                                                                                                                                                                                                                                                                                                                                                         protein PRO301.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein PRO301
                                                              DB 8;
.5e-105;
                                                                                                                                                 DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                         βB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 8;
.5e-105;
                                                                                                                                                                                                                                   DB 8;
                                                                                                                                                                                                                                                                                                                      5e-105;
                                                                                                                                                                                                                                                                                                                                DB
                                                                                                                                                                                                                                                                                                                                8
                               PRO301
                                                                        Length
                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                299;
                                                                         299;
                                                                                                                                                             299;
                                                                                                                                                                                                                                                                                                                                                                                                                    299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             299;
```

```
Query Match
Best Local S
RESULT 323
PA PA PA
                                                                                                                                                                                                  RESULT 330
                                                                                                                                                          Best Local Similarity RESULT 329
                                                                                                                                                                                                                                                                                                  RESULT 328
                                                                                                                                                                                                                                                                                                                                                                                RESULT 327
                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 326
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 324
                                                                                       Query Match
Best Local :
                                                                                                                                                                              Query
                                                                                                                                                                                                                                                                                                                      Query
                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                            Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Macch
                                                                                                                                                                                                                                                                                                                                                                                 US2004.
08-JAN-2004.
(GETH) GENENTECH INC.
(GETH) 100.0%; ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel human secreted and transmembrane US2003207369-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human PRO polypeptide #183.
US2003022331-A1.
30-JAN-2007
                                                                                                                                                                                                                                                                                                                                          Human PRO polypeptide #27.
US2003224984-A1.
04-DEC-2009
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel human secreted and transmembrane US2003207367-A1.
                                               Human secreted/transmembrane US2004005665-A1.
                                                                                                                                     ADH59831 standard; protein; 299 AA.
Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                                             ADH07286 standard; protein; 299 AA.
Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                        ADH20431 standard; protein; 2
Human secreted/transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                US2004005553-A1.
                                                                                                                             JS2003215904-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
        DESN/) DESNOYERS L.
GODD/) GODDARD A.
GODO/) GODOWSKI P J.
                                                                  DH06859 standard; protein; 299 AA.
                                                                                                                                                                                                                                               DESN/) DESNOYERS L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                      ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Match
                                                                                                                                                                              Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ocal Similarity
                                                                                                                                                                                     ) GURNEY A L.
) MATHER J P.
) WILLIAMS P M.
) WOOD W I.
                                                                                                                                                                                                                            GODDARD A.
GODOWSKI P J.
                                                                                                                                                                                                                                                                                                                               GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%;
                                                                                                                                                                                                                                                                                                            100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%;
                                                                                      100.0%;
                                                                                                                                                                   100.0%;
                                                                                                                                                                                                                                                                                                                                                                       299
                                                                                                                                                                                                                                                                                                                                                                                                                                                     299 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              299 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                         protein,
                                                         protein,
                                                                                     Score
Pred.
                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                         Score 1544; DB 8; Pred. No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 1544;
Pred. No. 7
                                                                                                                                                                                                                                                                                                                                                                       ያ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                No. 7.
                                                                                      1544;
No. 7.
                                                                                                                                                                                                                                                                                                            1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1544;
No. 7
                                                                                                                                                                   1544; DB 8;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1544; DB 8;
No. 7.5e-105;
                                                                                                                                      #25.
                                                                                                                                                                                                                                                                                                                                                                                                                                          #25.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4; DB 8;
7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 8;
                                                                                       DB 8;
                                                                                                                                                                                                                                                                                                            DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRO301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 299;
                                                                                                                                                                                                                                                                                                                                                                                                  Length 299;
                                                                                                Length
                                                                                                                                                                            Length 299;
                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
```

```
Query Match
Best Local S
RESULT 338
                        Best Local Similarity RESULT 339
                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 336
                                                                                                                                                                                                                                                                                                                                                                                                                 Best Loca
RESULT 335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Loc
RESULT 333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Loc
RESULT 332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 331
                                                                                                                                                                                                                   Best Local Similarity ESULT 337
                                              Query Match
                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                Human secreted/transmembrane protein, US2003190610-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (MATH/)
(WILL/)
(WOOD/)
                                                                                                                                                                              ADI15369 standard; protein; 299 AA. Novel human secreted and transmembr US2003207382-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human secreted/transmembrane US2003096340-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADI65321 standard; protein; 299 AA. Human secreted/transmembrane protein, US2003148419-A1.
                                                                                ADG09246 standard; protein; 299 AA.
Novel human secreted and transmembrane
US2004009547-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADI18601 standard; protein; 2
Human secreted/transmembrane
US2003152999-A1.
                                                                                                                                                                                                                                                                                                                                                                             ADG09898 standard; protein; 299 AA.
Novel human secreted and transmembrane
US2004005548-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADI37584 standard; protein; 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADI81155 standard; protein;
Human PRO polypeptide #183.
ADI65748 standard; protein; 299 AA.
Human secreted/transmembrane protein,
                                                          (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                         ADH97380 standard; protein; 299 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US2003207361-A1
                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                        15-JAN-2004
                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                             ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WILLIAMS
WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                       GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           יסיסי
אַ
                                                                                                                                                                                                                               100.0%;
                                                                                                                                                                                                                                                                                                                              100.0%;
                                                                                                                                100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%;
                                   100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%;
                                                                                                                                                                                            transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   299 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein,
                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                   Score 1544; DB 8;
Pred. No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                              Score 1544;
Pred. No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                             Score 1544; DB 8; Pred. No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 1544;
Pred. No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        No. 7.
                                                                                                                                  1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                 1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1544; DB 8;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1544; DB 8;
No. 7.5e-105;
                                                                                                                                                                                            protein PRO301
                                                                                              protein PRO301
                                                                                                                                                                                                                                                                                                                                                                                           protein PRO301
                                                                                                                                   DB 8;
'.5e-105;
                                                                                                                                                                                                                                                                                                                                 DB 8;
7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 8;
                                                                                                                                                                                                                                 DB 8;
.5e-105;
                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                Length
                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                 299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       299;
                                                                                                                                                                                                                                                                                                                                                                                                                                           299;
```

```
RESULT
ID AD
DE Hu
PN WO
PD 08
                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Loca
RESULT 342
                                                       RESULT 347
                                                                                   PAPRID
                                                                                                                                RESULT
                                                                                                                                                                                                                                             PR DE U
                                                                                                                                                                                                                                                                                 RESULT 344
                                                                                                                                                                                                                                                                                                              Pagaga
                                                                                                                                                                                                                                                                                                                                                           RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                               B B B I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT
                                                                                                                                                                                                                           Query
                                                                                                                                                                                                                                                                                                                                                                            Query
                                                                                                                                                                                                                                                                                                    Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                           (DESN) DESNOYERS L.
(GODD/) GODDARD A.
(GODD/) GODWSKI P J.
(GURN/) GURNEY A L.
(MATH/) MATHER J P.
(WILL/) WILLIAMS P M.
(WODD/) WOOD W I.
                                                                                                    ADM25082 standard; protein; i Human secreted/transmembrane US2003096233-A1.
                                                                                                                                                                             Human JAM-1 protein WO2004003145-A2.
                            Human platelet
US6699688-B1.
                                    ADK40844 standard;
Human platelet F11
                                                                                                                                                                                                                                                              ADL08741 standard; protein; 299 AA.
Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADI14701 standard; protein; 299 AA.
Novel human secreted and transmembrane
US2003207383-A1.
06-NOV-2003.
                                                                                                                                                                                                ADI47176 standard;
                                                                                                                                                                                                                                                      US2003186358-A1.
                                                                                                                                                                                                                                                                                                                               US2003187238-A1.
                                                                                                                                                                                                                                                                                                                                       ADJ99548 standard; protein; 299 AA.
Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                                                                                                                                                                        US2003207349-A1.
                                                                                                                                                                                                                                                                                                                                                                                                               ADI18296 standard; protein;
Novel human secreted and tra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADH60491 standard; protein; ?
Human secreted/transmembrane
                                                                                  (GETH ) GENENTECH
                                                                                                                                        (NAST-) NASTECH PHARM CO INC.
cy Match 100.0%;
Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      JS2004023331-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH
                                                                                                                                                                                                                                    GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                    GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GETH ) GENENTECH
                                                                                                                                                                                                                / Match
Local Similarity
                                                               Local Similarity
                                                                                                                                                                                                                                                                                         ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                  ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                           ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ocal Similarity
                                                                                                                                                                                                                                                                                                            GENENTECH INC.
          UNIV NEW
YORK STATE RES FOUND.
100.0%; Score 1544;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INC
                                   protein;
receptor
                                                                                                                                                                                                protein;
                                                                                                                                                                                      sequence.
                                                                                                                                                                                                                 100.0%;
                                                                                                                                                                                                                                                                                                                                                                   100.0%;
                                                               100.0%;
                                                                                                                                                                                                                                                                                         100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                 transmembrane
                                                                                                            299 AA.
e protein,
                                    299
#1.
                                                                                                                                                                                                299
                                                                                                                                                                                                                                                                                                                                                                                                                          299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein,
                                                                Score
Pred.
                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                         Score 1544;
Pred. No. 7
                                                                                                                                                                                                                                                                                         Score 1544;
Pred. No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                             ₽
                                                                                                                                                                                                ጅ
                                                                                                                                                                                                                                                                                                                                                                                                                         B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ጅ
                                                                 1544;
No. 7
                                                                                                                                                                                                                 1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                           1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1544;
No. 7
                                                                                                                                                                                                                                                                                                                                                                   1544; DB 8;
No. 7.5e-105;
                                                                                                              #25
                                                                                                                                                                                                                                                               #25.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #25.
                                                                                                                                                                                                                                                                                                                                                                                                               protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       protein
                                                                 DB 8;
                                                                                                                                         DB 8;
                                                                                                                                                                                                                 DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                          DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 8;
.Se-105;
BB
8
                                                                                                                                                                                                                                                                                                                                                                                                                PRO301
                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
Length 299;
                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                  Length 299;
                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                           299;
                                                                                                                                                                                                                                                                                                                                                                             299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     299;
```

```
Best Local Similarity RESULT 353
                                                                                                                                                                                                                                                                                                                                                                                              RESULT
                                                                                                                                      Best Local Similarity RESULT 355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Loca
RESULT 351
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Loc
RESULT 350
                                                                        Query Match
                                                                                                                                                           Query Match
                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                Human protein encoded by a full length Bg1396543-A2.
                                                                                                                                                                                 Human PRO polypeptide #183.
US200403335-A1.
26-FER-7077
            Human PRO polypeptide #183.
US200404833-A1.
                                                           (REAS-) RES ASSOC BIOTECHNOLOGY.
Pry Match 100.0%; Sc
It Local Similarity 100.0%; Pr
                                                                                                                                                                                                                                                                   04-MAR-2004
                                                                                                                                                                                                                                                                            ADK82832 standard; protein;
Human PRO polypeptide #27.
US2004043927-A1.
                                                                                                                                                                                                                                                                                                                                                     ADJ77472 standard; protein;
Human PRO polypeptide #183.
US2004038336-A1.
26-FEB-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human secreted/transmembrane US2003190611-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADJ63577 standard; protein; 299 AA. Novel human secreted and transmembrane
                                                                                             10-MAR-2004
                                                                                                                                                                               26-FEB-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADL77819 standard; protein; 299 AA.
Albumin fusion protein related therapeutic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADL77818 standard; protein; 299 AA.
Albumin fusion protein related therapeutic protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US2004039164-A1.
26-FEB-2004.
                                                                                                                                                                      (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (ROSE/) ROSEN C A. (HASE/) HASELTINE W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US2004010134-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADM29832 standard;
                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            US2004010134-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                              (ROSE/) ROSEN C A. (HASE/) HASELTINE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH )
                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ocal Similarity
                                                                                                                                    2004.
) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                     GENENTECH INC.
100.
Similarity 100.
GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                              Σ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein;
                                                                                                                                                                                                                                   100.
                                                                                                                                                                                                                                                                                                                                                                                                         100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%;
                                                                                                                                                                                                                                    9,
                                                                                                                                                                                                                                                                                                                       93;
                                          299
                                                                                                                                                                                                               299
                                                                                                                                                                                                                                                                                                  299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  299
                                                                                                                                                                                                                                                                                                                                                                                      299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       protein,
                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                              Pred.
                                                                        Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pred.
                                        ያ
                                                                                                                                                                                                                                                                                                  ₿
                                                                                                                                                                                                                                                                                                                                                                                      ⋛
                                                                                                                                                                                                               ₿
                                                              1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                           1544;
No. 7
                                                                                                                                                                                                                                                                                                                       1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1544;
No. 7.
                                                                                                                                                                                                                                   1544; DB 8;
No. 7.5e-105;
                                                                                                                                                 1544; DB 8;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                          ŏ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1544; DB 8;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1544; DB 8;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ŏ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #25
                                                                                                                 cDNA clone
                                                            7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein PRO301.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                          DB 8;
                                                                                                                                                                                                                                                                                                                       DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 8;
.5e-105;
                                                                      BG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein
                                                                                                                  SeqID
                                                                        Length
                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ×
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ×
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID No 1300.
                                                                                                                  3365
                                                                                                                                                                                                                                                                                                                                                                                                                     299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ID No 1301.
```

```
RESULT
ID AD
DE Hu
PN US
PD 29
PA (A
PA (B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       BESULT 357
                                                                                                                                                RESULT 364
                                                                                                                                                                                                                                    RESULT 363
                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 362
                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 359
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 358
                                                                         Query Match
Best Local (
                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human PRO polypeptide #21.
US6686451-B1.
03-FEB-2000
                                                                                                                                                                                                    ADQ95890 standard; protein; 2
T cell activation associated
WO2004058805-A2.
                                                                                                                                                                                                                                                                                                                                                                 ADN05140 standard; protein;
Antipsoriatic protein sequer
WO2004028479-A2.
08-APR-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human PRO polypeptide #183.
US2004058424-A1.
25-MAR-2004
                               Human secreted/transmembrane US2004147017-A1.
                                                                                                                ADR11006 standard; protein; 299 AA. Human secreted/transmembrane protein, US2004137561-A1.
                                                                                                                                                      (ASAH-) ASAHI KASEI PHARMA CORP.
(ASAH-) ASAHI KASEI PHARMA CORP.
TY Match 100.0%; Sc
                                                                                                                                                                                                                                                                                        ADM28316 standard; protein; 299 AA.
Human PRO polypeptide #183.
US2004077064-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human PRO301 protein. WO2004031105-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human JAM1 protein
WO2004022778-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADL26800 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADN35284 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                18-MAR-2004.
                                                     ADR17915 standard; protein; 299 AA
                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                    (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Match
ocal Similarity
 ASHKENAZI A.
BOTSTEIN D.
                                                                                                                                                                                                                                                                                                                                                                                                                                          GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GARVAN INST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       H INC.
100.0%;
Ey 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               T MEDICAL R
100.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%;
                                                                                                                                                                                                                                              100.0%;
                                                                                                                                                                                                                                                                                                                                   100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                        100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100
                                                                                                                                                                                                                                                                                                                                                                                      sequence #749.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NO:54.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RES.
; Score
; Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            299
                                                                                                                                                                                                                          299 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      299 AA
                                          protein,
                                                                                                                                                                                                              protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                        Score
Pred.
                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                     Score 1544;
Pred. No. 7
                                                                                                                                                           Score 1544;
Pred. No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 1544;
Pred. No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ₿
                                                                                                                                                                                                                                                No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1544;
No. 7
                                                                         1544; DB 8;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                  1544; DB 8;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1544; DB 8;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                      7.5e-105;
                                                                                                                                                            DB 8;
                                                                                                                                                                                                                                                DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 8;
.5e-105;
                                                                                   Length
                                                                                                                                                                    Length 299;
                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 299;
                                                                                                                                                                                                                                                                                                                                              299;
```

```
Query Match
Best Local S
RESULT 366
                                                                 Best Loc
RESULT 371
                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Loca
RESULT 367
                                                                                                                                                         Best Local Similarity RESULT 370
                                                                                                                                                                                                                                                     Best Loc
RESULT 369
                                                                                                                                                                                                                                                                                                                                                Best Loc
RESULT 368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Query Match
                                                                                                                                                                                                       Human JAM-1, F11
JP2004242513-A.
02-SEP-2004.
                               Human JAM-1, F1
JP2004242513-A.
                                                                                                                        ADR46571 standard; protein; 299 AA.

Human JAM-1, F11 receptor (F11R) transcript variant
JP2004242513-A.
                                                                                                                                                                                                                                                                                                            ADI96350 standard; protein; 299 Novel human secreted and transme US2003207354-A1.
             02-SEP-2004
(DOKU-) DOKI
                                                                            (DOKU-) DOKURITSU GYOSBI HOJIN KAGAKU GIJUTSU ry Match 100.0%; Score 1544; DB L Local Similarity 100.0%; Pred. No. 7.5e-1
                                                                                                               02-SEP-2004
                                                                                                                                                                      (DOKU-) DOKURITSU GYOSEI HOJIN KAGAKU GIJUTSU SH. ry Match 100.0%; Score 1544; DB 8; t Local Similarity 100.0%; Pred. No. 7.5e-105;
                                                                                                                                                                                                                              ADR46577 standard; protein; 299 AA.
Human JAM-1, F11 receptor (F11R) transcript
                                                                                                                                                                                                                                                                                                                                                                                                                  ADI95798 standard; protein;
Human PRO polypeptide #183.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADR27641 standard; protein; 299 Human F11 receptor protein Seq WO2004063327-A2.
                                            ADR46573 standard; protein; 299 AA.
Human JAM-1, Fl1 receptor (F11R) transcript variant
                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                               24-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                        US2003077659-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (EHRL/) EHRLICH Y H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (DESN/)
(EATO/)
(FERR/)
(FILV/)
(FONG/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AMUT)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (STEW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GODD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GERR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GURN,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     KORN/) KORNECKI
BABI/) BABINSKA
                                                                                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                                                                                                                                                                                                                               ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GERRITSEN M E.
GODDARD A.
GODOWSKI P J.
GRIMALDI C J.
GURNEY A L.
HILLAN K J.
KLJAVIN I J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PAONI N F.
ROY M A.
STEWART T A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EATON D L.
FERRARA N.
FILVAROFF E.
           DOKURITSU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TUMAS D. WILLIAMS P M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DESNOYERS
EATON D L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PAN J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GERBER H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MATHER J P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FONG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         M
E
GYOSBI HOJIN KAGAKU GIJUTSU
100.0%; Score 1544; DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ۲
                                                                                                                                                                                                                                                                                                                                                           100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%;
                                                                                                                                                                                                                                                                 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                        and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    299 AA.
Seq 7.
                                                                          N KAGAKU GIJUTSU SH.
Score 1544; DB 8;
Pred. No. 7.5e-105;
                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                     ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                ጅ
                                                                                                                                                                                                                                                                 1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                            1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      1544; DB 8;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                        protein
                                                                                                                                                                                                                                                                  DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 8;
                                                                                                                                                                                                                                                                                                                                                            .5e-1
                                                                                                                                                                                                                                 variant
, 8
HS
                                                                                                                                                                                                                                                                                                                                                            105;
                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                       Length
                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
Length
                                                                                                                                       4
                                                                                                                                                                                                                                 4
                                                                                                                                                                                                                                 SEQ
                                                                                           299;
                                                                                                                                                                                   299;
                                                                                                                                                                                                                                 ä
```

ADU06480 standard; protein; 299 AA.

```
Query Match
Best Local Similarity
BESULT 373

ID ADT94260 standard; p
DE Human PRO301 protein
PN AU2002259607-A1.
PD 27-NOV-2003.
                                                                                                                                                                                                                                                 B R R B B
                                                                                                                                          RESULT 376
                                                                                                                                                                                 BBBB
                                                                                                                                                                                                                              Query Match
Best Local
         Query Match
                                                                                     Query Match
                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 02-SEP-2004.

02-SEP-2004.

(DOKU-) DOKURITSU GYOSEI HOJIN KAGAKU
100.0%; Score 15
ary Match
100.0%; Pred. No
                           ADT03591 standard; protein; 299 AA.
Human secreted/transmembrane protein,
US2003152922-A1.
14-AUG-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human JAM-1, F1
JP2004242513-A.
                                                                                                              ADT03286 standard; protein;
Human PRO polypeptide #183.
US2004214269-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADT94260 standard; protein; 299 Human PRO301 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADR46579 standard; protein;
                                                                                                                                                                                                   ADS32302 standard; protein; 299 AA. Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADS74554 standard, protein; 299
                                                                                                                                                                                           US2004203125-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human secreted/transmembrane US2004185531-A1.
                    GETH )
                                                                                                                                                                       GETH ) GENENTECH INC
                                                                                                                                                                                                                                                WOOD/) WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ASHK/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity 372
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
ocal Similarity
                                                                           ocal Similarity
                                                                                                                                                    ocal Similarity
                                                                                                                                                                                                                             ocal Similarity
                                                                                                                                                                                                                                                                   ROY M A.
STEWART T A.
TUMAS D.
                                                                                                                                                                                                                                                                                                                                                                                                                       ASHKENAZI A.
BOTSTEIN D.
DESNOYERS L.
EATON D L.
FERRARA N.
FILVAROFF E.
                                                                                                                                                                                                                                                                                                                                   GODOWSKI P J.
GRIMALDI C J.
GURNEY A L.
HILLAN K J.
                                                                                            GENENTECH INC.
                  GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                          GERRITSEN M E. GODDARD A.
                                                                                                                                                                                                                                                                                                          PAN
                                                                                                                                                                                                                                                                                                                                                                                              GERBER H.
                                                                                                                                                                                                                                                                                                                                                                                                      GAO W
                                                                                                                                                                                                                                                                                                                                                                                                               FONG
                                                                                                                                                                                                                                                                                               PAONI N F.
                                                                                                                                                                                                                                                                                                                  MATHER J P.
                                                                                                                                                                                                                                                                                                                           KLJAVIN I J.
                                                                                                                                                                                                                                                                                                                                                                                                               ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ndard; protein; 299 AA.
Fll receptor (FllR) transcript variant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             i INC.
100.0%;
y 100.0%;
                                                                           100.0%;
100.0%;
                                                                                                                                                    100.0%;
                                                                                                                                                                                                                              100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%;
                                                                                                                                   299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein
                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 1544;
Pred. No. 7.
Score 1544;
Pred. No. 7
                                                                          Score 1544; DB 8; Pred. No. 7.5e-105;
                                                                                                                                                     Score 1544;
Pred. No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ₹
                                                                                                                                                                                                                              1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1544;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ŏ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #25.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GIJUTSU
                                                #25
                                                                                                                                                                                                   protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       JUTSU SH.
; DB 8;
7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 8;
7.5e-105;
DB 8;
                                                                                                                                                     DB 8;
                                                                                                                                                                                                                              DB 8;
                                                                                                                                                                                                    PRO301
        Length 299;
                                                                                                                                                             Length
                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                               299;
                                                                                                                                                                                                                                        299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 299;
```

```
Query Match
Best Local S
RESULT 379
 Query Match
Best Local Similarity
RESULT 385
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PA PA PA
                                                                                                                                                                                                                                 Query Match
Best Local Similarity
RESULT 384
                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 383
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
RESULT 380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 381
                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        O4-NOV-2004.

O4-NOV-2004.

(HINZ) HINZMANN B.

(HERM/) HERMANN K.

(CAST) HEIDEN CASTANOS-VELEZ E

CASTANOS-VELEZ E

100.0%; S
                                                                                                                                                                                              AEA29245 standard; protein; 299 AA. Human junction adhesion molecule -1 US2005129679-A1.
                                                                                                                                                                                                                                                                                          AEA37829 standard; protein; 299 AA. Human secreted/transmembrane protei US2005112725-A1.
                                                                                                                                                                                                                                                                                                                                                                                    ADZ03337 standard; protein; 299 AA. Human secreted/transmembrane PRO301 US2005074837-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADW97860 standard; protein; 299 AA. Human junctional adhesion molecule-1 US2005025776-Al.
03-FEB-2005.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADU06355 standard;
Novel bronchial car
DE10316701-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel bronchial DE10316701-A1.
                                                                                                                                                   (NAST-) NASTECH PHARM CO INC.
ry Match 100.0%;
t Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADU66684 standard; protein; 299 AA. Human platelet F11 receptor protein, US2004235768-A1.
                                   (DEFO/)
(DESN/)
(FILV/)
                                                                                                                  AEB14083 standard; protein;
Cancer cell diagnosis methoo
                                                                                                                                                                                      16-JUN-2005
                                                                                                      US2005153396-A1.
                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                  26-MAY-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                         (WEBE/) WEBER C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (HINZ/) HINZMANN B.
(HERM/) HERMANN K.
(CAST/) HEIDEN CASTANOS-VELEZ
                                                                                                                                                                                                                                                                                                                                                               (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (KORN/) KORNECKI E.
                                                                      BERE/)
                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                 BAKER K P.
BERESINI M.
DEFORGE L.
DESNOYERS L.
FILVAROFF E.
GERRITSEN M E.
GODDARD A.
                        GAO W.
                                                                                                                 diagnosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  rd; protein; 299 AA.
cancer-associated human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cancer-associated human
                                                                                                                                                                                                                                                                                                                                        100.0%;
                                                                                                                                                                                                                                               100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                   100
                                                                                                                 method-related human protein
                                                                                                                                                                                                                                                                                                                                                                                                                                    0.0%;
                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                      protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 1544;
Pred. No. 7.
                                                                                                                                                                                                                                                                                                                                        Score 1544; DB 9; Pred. No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1544;
No. 7.
                                                                                                                                                    1544; DB 9;
No. 7.5e-105;
                                                                                                                                                                                                             as target for
                                                                                                                                                                                                                                               1544; DB 9;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                    1544; DB 9;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1544; DB 8;
No. 7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (JAM-1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  F11R-A.
                                                                                                                                                                                                                                                                                                        #25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein SeqID704.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 8;
.5e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein
                                                                                                                                                                                                             grug
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 299;
                                                                                                                                                                                                                                                                                                                                                    Length 299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 299;
                                                                                                                                                                Length
                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                    .
                                                                                                                    SEQ
                                                                                                                                                                                                              delivery method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                299;
                                                                                                                                                                                                                                                                                                                                                                                                                                               299;
                                                                                                                                                                 299;
                                                                                                                    IJ
```

GODOWSKI

PJ.

```
RESULT
ID AD
DE Hu
PN US
PD 18
PA (T
                                                                                                                                                                                                                  PA PA PA
                                                                                                                                                                                                                                                                                                                                                                                                        PA
PA
PA
PA
PA
PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  B B B B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 386
                                                                                                                 RESULT 391
                                                                                                                                                                                      Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                     RESULT 388
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 387
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query
Best I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query
Best 1
                                                                                                                                   Query Match
                                                                                                                                                                                                              (TANG) TANG Y T.

(WANG/) WANG Z.

(WENG/) WENG G.

(BOYL/) BOYLE B J.

(DRMA/) DRMANAC R T.
                                                                                                                                                                                                                                                                                                                                                                                             (TANG) TANG Y T.

(WANG) WANG Z.

(WENG) WENG G.

(BOYL) BOYLE B J.

(DRMA) DRMANAC R T.
                                                                                                                                                                                                                                                                                                                                    Novel protein (useful for identifying W02003054152-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel protein; Protein; WO2003054152-A2; 03-JUL-2007
                                                                                                                                                                                                                                                              Novel human polypeptide seq
US2004219521-A1.
                ADH80723 standard; protein;
Human polypeptide #40.
US2003232054-A1.
                                                                              ADC78439 standard; protein;
Human PRO301 protein.
WO200015796-A2.
23-MAR-2000.
                                                                                                                                                            AAY08071 standard; protein;
Human PRO307 protein.
WO9914241-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          AUU4U591 standard; protein;
Novel human polypeptide seq
                                                                                                                                                                                                                                                                                                                                                                                                                                                     US2004219521-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (HYSE-) HYSEQ INC
                                                                                                                                           GETH ) GENENTECH INC
                                                    Local Similarity
                                                                                                                         Local Similarity
                                                               Match
                                                                                                                                                                                                                                                                                                         ocal Similarity
                                                                                                                                                                                                                                                                                                                 Match
                                                                                                                                                                                                                                                                                                                                                                              ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TUMAS D.

WATANABE C K.

WOOD W I.
                                                                     GENENTECH INC
                                                                                                                                                                                                                                                                                                                         HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZHANG Z.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SMITH V.
STEWART T A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GURNEY A L. SHERWOOD S.
TANG Y T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%;
                                                                                                                                                                                                                                                                                                                                                                              100.0%;
                                                                                                                         99.7%;
99.7%;
                                                                                                                                                                                               100.0%;
                                                                                                                                                                                                                                                                                                        100.0%;
                                                    99.7%;
99.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  contig
                                                                                                                                                                                                                                                                                                                                                                                                                                                             ein; 320 AA.
seg id 376.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9,
                                                                                                                                                                                                                                                                              336 AA.
id 193.
                                                                                                         299
                                                                                                                                                                              299 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  320 AA.
3 polypeptide
                                    300 AA
                                                    Score
Pred.
                                                                                                                         Score 1540;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                        Score 1544;
Pred. No. 8
                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 1544;
Pred. No. 7.
                                                                                                        ₽
                                                     1539;
No. 1.
                                                                                                                                                                                                                                                                                                                                                                              1544;
No. 8.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1544;
No. 8.
                                                                                                                                                                                                1544;
No. 8.
                                                                                                                                                                                                                                                                                                                                                    genetic
                                                    9; DB 3;
1.7e-104;
                                                                                                                          1.5e-104;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 7;
3.1e-105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 9;
7.5e-105;
                                                                                                                                                                                                                                                                                                                                                                              DB 9;
1.1e-105;
                                                                                                                                                                                                DB 9;
.6e-105;
                                                                                                                                                                                                                                                                                                          DB 7;
.6e-105;
                                                                                                                                   DB
                                                                                                                                                                                                                                                                                                                                                     disorders)
                                                             Length
                                                                                                                                 Length
                                                                                                                                                                                                       Length 336;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                              299;
                                                                                                                                                                                                                                                                                                                                                     #193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        299;
```

```
Query Match
Best Local S
RESULT 397
                                                                            Best Loca
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9A
9A
9A
9A
9A
9A
                                                                                                                                                                                                                                                                                                 RESULT 395
                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity RESULT 394
                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
                                                                                                                                                                                                                         RESULT 396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query
      Query Match
                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                           Query Match
                                                                                 02-AUG-2001.
02-AUG-2001.
(HUMA-) HUMAN GENOME SCI INC.
(HUMA-) 90.4%;
ery Match
90.4%;
92.0%;
                                                                                                                        ABB10232 standard;
Human cDNA SEQ ID N
WO200154474-A2.
                                                                                                                                                                                         Human immunoglobulin polypeptide SEQ W0200155315-A2.
                                                                                                                                                                                                                                                                Human ovarian specific polypeptide WO2004013311-A2.
                                                                                                                                                                                                                                                                                                                               Human ovarian specific polypeptide W02004013311-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (LIUC/)
(ASUN/)
(CHEN/)
                                                    Human polypeptide
US2002090672-A1.
                                                                                                                                                            (HUMA-) HUMAN GENOME SCI INC.
ry Match 90.4%;
t Local Similarity 92.0%;
                                                                                                                                                                                        02-AUG-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US2003232054-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADH80722 standard; protein;
Human polypeptide #39.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (DRMA/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (CAOY/)
                                                                     ABP66819 standard;
                (ROSE/) ROSEN C A.
(RUBE/) RUBEN S M.
(BARA/) BARASH S C.
                                                                                                                                                                                                                                                     (DIAD-) DIADEXUS INC.
                                                                                                                                                                                                                                                              2-FEB-2004.
                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                   ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TANG Y T.
LIU C.
ASUNDI V.
                                                                                                                                                                                                                                                                                                                                                                                                                         CHEN R.
QIAN X B.
WANG Z W.
WEHRMAN T.
ZHANG J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CHEN R.
QIAN X B.
WANG Z W.
WEHRMAN T.
ZHANG J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZHOU P.
CAO Y.
                                                                                                                                                                                                                                                                                                                                                                                                         ZHOU P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DRMANAC R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ASUNDI V.
                                                                                                                                                                                                                                                                                                                                                                                              DRMANAC R T.
Similarity
                                                                                                                                                                                                                                                                                                                          DIADEXUS INC.
                                                            ; protein; 301 AA.
SEQ ID NO 540.
                                                                                                                                  ; protein; 301
NO: 540.
                                                                                                                                                                                                                                   91.4%;
97.1%;
                                                                                                                                                                                                                                                                                                        97
                                                                                                                                                                                                                                                                                                                                                                              97.5%;
98.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            98.5%;
90
. 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             301 AA
                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                              Score 1505;
Pred. No. 5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 1521.5; DB 8; Pred. No. 3.3e-103;
                                                                                       Score 1396.5; DB Pred. No. 4.7e-94;
                                                                                                                                                            Score 1396.5;
Pred. No. 4.7e
                                                                                                                                                                                                                                   Score 1411;
Pred. No. 4.
Score 1396.5; DB : Pred. No. 4.7e-94;
                                                                                                                                                                                                                                                                                                         1500;
No. 1
                                                                                                                                                                                                                                                                                                                                                     SEQ
                                                                                                                                                                                                                                                                               SEQ
                                                                                                                                                                                                         IJ
                                                                                                                                                              4.7e-94;
                                                                                                                                                                                                                                                                               Ħ
                                                                                                                                                                                                                                                                                                                                                     IJ
                                                                                                                                                                                                         No
                                                                                                                                                                                                                                    DB 8;
                                                                                                                                                                                                                                                                                                                                                                               DB 8;
.4e-102;
                                                                                                                                                                                                                                                                                                          DB 8;
.5e-101;
                                                                                                                                                                                                                                                                                 NO:330
                                                                                                                                                                                                                                                                                                                                                      NO:331
                                                                                                                                                                                                         141.
        5
                                                                                               4.
                                                                                                                                                                      4
                                                                                                                                                                                                                                                                                                                                                                                       Length 301;
                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 300;
        Length 301;
                                                                                               Length 301;
                                                                                                                                                                                                                                              335;
```

```
Best Local Similarity RESULT 405
                                                                                                                                                                                                                                                                                    RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 403
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query
                                                             Query Match
                                                                                                                                               Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                    Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
ADH62550 standard; protein; 260 AA. Human PRO301 protein fragment #1. US2003171568-A1.
                                                                                                                                                                                             AAY23326 standard; protein;
An A33 related antigen seque
WO9277098-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY23328 standard; protein; 263 AA. An A33 related antigen sequence. W09927098-A2.
                                                                                                           Human DNA40628
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11-JUN-1998.

(HOPF) HOPFMANN LA ROCHE & CO AG F.

RY MATCH 89.5%; Score 1382.5; DB /

RY Match 91.0%; Pred. No. 4.9e-93;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADR41522 standard; protein; 318 Human CD-like molecule HKACIO3, WO200226930-A2.
04-APR-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADB31620 standard; protein; 301 AA. Human novel protein SEQ ID NO 141. US2003077606-A1.
                                                                                                 WO9914241-A2.
                                                                                                                      AAY08072 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                ADH62552 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human DNA40628
WO9914241-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY08074 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human junctional adhesion molecule WO9824897-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAW61379 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (HUMA-) HUMAN GENOME SCI INC.
ry Match
t Local Similarity 92.0%;
                                                                       (GETH ) GENENTECH INC
                                                                                                                                                                       (GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                        JS2003171568-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (HUMA-) HUMAN GENOME SCI INC.
                                                                                                                                                                                                                                                                                     TUMA/)
                                                                                                                                                                                                                                                                                                                                                                                                                                               GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                ASHK/) ASHKENAZI A.
                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                        ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        98-A..
-1999.
) GENENTECH INC.
88.9%; Sc
-1ty 100.0%;
                                                                                                                                                                                                                                                                                  GODDARD A.
) GURNEY A L.
) NAPIER M A.
) TUMAS D.
                                                                                                                                                                                                                                                                       WOOD W I.
                                                                                                                                                                                                                                                                                                                                    FONG
                                                                                                                                                                                                                                                                                                                                                                                 ndard; protein;
protein fragmen
                                                                                                           protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protein
                                                                                                                                               INC.
87.8%;
Y 100.0%;
                                               87.8%;
100.0%;
                                                                                                                                                                                                                                              88.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       90.4%;
92.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                     88.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   fragment #2.
                                                                                                                                                                                                            sequence.
                                                                                                                         260
                                                                                                                                                                                                                                                                                                                                                                                                                       Score 1372; DB 2; pred. No. 2.5e-92;
                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                      260 AA.
                                                                                                                                                                                                                                                                                                                                                                                               263 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 1372;
Pred. No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              298 AA
                                                                                                                                                                                                                                                Score 1372; DB 7;
Pred. No. 2.5e-92;
                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 1396.5; DB Pred. No. 4.7e-94;
                                                                                                                                                                                                                                                                                                                                                                                     #2.
                                                                                                                         ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AA.
SEQ ID NO:321.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1396.5;
No. 5e-9
                                               1355; DB 2;
. No. 4.3e-91;
                                                                                                                                                1355; DB 2;
. No. 4.3e-91;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6.5; DB
5e-94;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 2;
.5e-92;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    S.
                                                                                                                                                                                                                                                          Length 263;
                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 263;
                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 301;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 298;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    318;
```

```
Query Match
Best Local S
RESULT 411
RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
RESULT 408
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                  (MILL)
(PADI/
(PATT/
(PENA/
(RIEG/
(SHEN/
(SHIM/
                                                                                                                                                                                                                                                                        ADO08263 standard; protein;
Human NOVX polypeptide #5.
US2004018594-A1.
                                                                                                                                                                                                                                                                                                                                                        ABU69130 standard; protein; Human NOVX polypeptide #5. WO200290504-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                      Human novel protein #40. WO200155437-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human JAM-1, F1: JP2004242513-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADR46575 standard; protein; 259 AA.
Human JAM-1, F11 receptor (F11R) transcript variant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADQ95892 standard;
                                                                                                            (/XDIT)
(/TITT/)
(/TGET/)
                                                                                                                                                                                                              (BURG/)
                                                                                                                                                                                                                                  (ANDE/)
                                                                                                                                                                                                                                                                                                                                                14-NOV-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAU14169 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            02-SEP-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO2004058805-A2.
                                                                                                                                        (KEKU/
                                                                                                                                                                                                                                                               29-JAN-2004
                                                                                                                                                                                                                                                                                                                                     (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                   (HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (DOKU-) DOKURITSU GYOSEI HOJIN KAGAKU GIJUTSU SH
ry Match 83.4%; Score 1287; DB 8;
Local Similarity 86.3%; Pred. No. 4.1e-86;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (ASAH-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GODD)
                                                                                                                                                    GUOX/
                                                                                                                                                              GUNT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GURN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (ASHK/) ASHKENAZI A. (FONG/) FONG S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cell activation
                                                                                                                                                                                                                                                                                                                 ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                ocal Similarity
                                                                                                                                                                             ANDERSON D W.
BOLDOG F L.
BURGESS C E.
CASMAN S J.
CHAPOVAL A.
EDINGER S R.
GERLACH V.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GODDARD A.
GURNEY A L.
NAPIER M A.
TUMAS D.
WOOD W I.
       MILLER C E.
MILLET I.
PADIGARU M.
PATTURAJAN M.
PENA C E A.
RIEGER D K.
SHENOY S G.
SHIMKETS R A.
SPYTEK K A.
                                                                                                                             GORMAN L.
GUNTHER E.
GUO X S.
KEKUDA R.
LEPLEY D M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ASAHI KASEI PHARMA CORP.
h 83.4%; Sco
Similarity 86.3%; Pre
                                                                                        MALYANKAR U M. MILLER C E.
                                                                                                             LIU X.
                                                                                                                                                                                                                                                      ALSOBROOK J P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              associated protein #35.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein; 259 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             87.8%;
100.0%;
                                                                                                                                                                                                                                                                                                                72.2%;
                                                                                                                                                                                                                                                                                                                                                                                                83.0%;
                                                                                                                                                                                                                                                                                              225
                                                                                                                                                                                                                                                                                                                                                                                                                                                            259 AA.
                                                                                                                                                                                                                                                                                                                                                                             225 AA
                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 1287; DB 8; Pred. No. 4.1e-86;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 1355;
Pred. No. 4
                                                                                                                                                                                                                                                                                                                  1114; DB 6;
No. 1.6e-73;
                                                                                                                                                                                                                                                                                                                                                                                                1281; DB 4;
No. 1.1e-85;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4.3e-91;
                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 260;
                                                                                                                                                                                                                                                                                                                             225;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          259;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         259;
```

```
Query Match
Best Local Similarity
RESULT 420
ID AAW74465 standard; pr
DE F11 antigen protein s
PN W09902561-A1.
PD 21-JAN-1999.
                                                                                                                                                                                                                                                                                                                      RESULT
ID AI
ID US
DE MI
PD US
PD 1:
PA ()
PA ()
PA ()
PA ()
PA ()
                                                                                                                                                              B
                                                                                                                                                                                                                                                                                                                                                                                                                                                          BBBBB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 413
                                                                                                                                                                                                                                            E E E E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 415
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 414
                                                                                                                          RESULT 419
                                                                                                                                                                                                     RESULT 418
                                                                                                                                                                                                                                                                                 RESULT 41
                                                                                                                                                                                                                                                                                            Query
Best
                                                                                                                                                                                                                                                                                                                                                                                                                                       Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                   Best Local Similarity
                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mouse junctional adhesion molecule pw09824897-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mouse junctional adhesion molecule-1, JP2004242513-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY23325 standard; protein;
A33 related antigen JAM.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (VOSS/)
                                                                                             Mouse junctional adhesion US2004235768-A1.
                                                                                                                                                                          WO2004031105-A2.
                                                                                                                                                                                  ADN35293 standard;
Human JAM protein.
                                                                                                                                                                                                                                                            ADK40853 standard; protein; 300 AA.
Mouse junction adhesion molecule (JAM).
                                                                                                                                                                                                                                                                                                                                                                                         US2003171568-A1.
                                                                                                                                                                                                                                                                                                                                                                                                ADH62537 standard; protein;
Murine JAM protein used in 
                                                                                                                 ADU66693 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          03-JUN-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (DOKU-) DOKURITSU GYOSEI HOJIN KAGAKU GIJUTSU S
ry Match 69.9%; Score 1079.5; DB
t Local Similarity 68.4%; Pred. No. 7.5e-71;
                                                                                                                                                                                                                                                                                                            (TUMA/) TUMAS D. (WOOD/) WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LI-JUN-1998.
(HOFF ) HOFFMANN LA
                                                                (KORN/) KORNECKI E. (SOBO/) SOBOCKA M B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  -SEP-2004
                                                                                                                                                                                                             ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                             ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ocal Similarity
                                                                                                                                                                                                                                                                                           ocal Similarity
                                                                                                                           311.

-2004.

) GENENTECH INC.

69.5%; 5
                                                                                                                                                                                                             UNIV NEW YORK STATE th 69.5%; Similarity 68.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            VERNET
VOSS E
                                                                                                                                                                                                                                                                                                                               GURNEY A L.
NAPIER M A.
                                                                                                                                                                                                                                                                                                                                                  GODDARD A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZERHUSEN B
                                                                                                                                                                                                                                                                                                                                                                     ASHKENAZI A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              N 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Þ
                                                                                                                                                                                                                                                                                                                                                                                                                             I INC.
69.5%;
y 68.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3
                             protein;
                                                                                                                protein;
                                                                                                                                                                                           protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ROCHE &
                  sequence
                                                                                                                                                                                                                                                                                          69.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          69.5%;
68.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                72.2%;
75.3%;
                                               69.5%;
                                                                                                       n; 300 AA. molecule
                                                                                                                                                                                                              RES FOUND.
Score 1073.
Pred. No. 2
                                                                                                                                                                                                                                                                                                                                                                                                  the
                             205 AA
                                                                                                                                                                                            300 AA
                                                                                                                                                                                                                                                                                                                                                                                                            300 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      300 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CO AG F.
                                               Score
Pred.
                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 1073.5;
Pred. No. 2.16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                  exemplification
                                                                                                                                    1073.5;
No. 2.1e
                                                                                                                                                                                                                                                                                         No. 2.1e
                                                                                                                                                                                                                                                                                                                                                                                                                              No. 2.1e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1114;
No. 1.
                                               1073.5
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein.
                                                                                                        (JAM)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                              3.5; DB
2.1e-70;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4; DB 8;
1.6e-73;
                                                     .5.
                                                                                                                                    2.1e-70;
                                                                                                                                                                                                               2.1e-70;
                                                                                                                                                                                                                         5
                                                5; DB
.1e-70;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5; DB
.1e-70;
                                                                                                                                                                                                                                                                                           .1e-70;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ╏
                                                                                                                                              멂
                                                                                                                                                                                                                         ₽B
                                                                                                                                                                                                                                                                                                     밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3 8;
                                                                                                                                                                                                                                                                                                 , 7;
                                                                                                                                             8
                                                                                                                                                                                                                        8
                                                                                                                                                                                                                                                                                                                                                                                                   ဝှု
                                                                                                                                                                                                                                                                                                                                                                                                                                       2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2
                                                         8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 225;
                                                                                                                                                                                                                                                                                                                                                                                                  the invention
                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                        Length
                                                                                                                                             Length
```

```
RESULT 426
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Loca
RESULT 424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Loca
RESULT 423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  . Best Local Similarity RESULT 421
                                   Query Match
Best Local Similarity
RESULT 429
                                                                                                                                Best Local Similarity RESULT 428
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Loc
RESULT 422
                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                         AAU18030 standard; protein; 141 A Human immunoglobulin polypeptide W0200155315-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gene 15 human secreted protein homologous WC200056754-A1.
ABB10228 standard;
Human cDNA SEQ ID 1
WO200154474-A2.
                                                                                                                                                                                                                                                                                          ABB72134 standard; protein; 134 AA. Human protein isolated from skin cells WO200190357-A1.
                                                                                                                                                                                                                                                                                                                                                                                        AAB55934 standard;
Skin cell protein,
WO200069884-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADK40845 standard;
Human platelet F11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SMIK)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           04-NOV-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADU66685 standard;
Human platelet F11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (UYNY) UNIV NEW YORK STATE RES FOUND.
ry Match 58.9%; Score 910;
t Local Similarity 97.2%; Pred. No. 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US6699688-B1.
                                                                                              Human reproductive WO200155320-A2.
                                                                                                                      AAM94741 standard;
                                                                                                                                                                                                                                         (GENE-) GENESIS RES & DEV CORP LTD.
ry Match 37.3%; Score !
t Local Similarity 100.0%; Pred.
                                                                                                                                                                                                                                                                                                                                                                                23-NOV-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GENE-) GENESIS RES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO9955865-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY75995 standard; protein; 1
Human skin cell protein, SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (KORN/) KORNECKI E. (SOBO/) SOBOCKA M B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US2004235768-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       02-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (HUMA-) HUMAN GENOME SCI INC. ry Match 67.2%; t Local Similarity 69.9%;
                                                                       (HUMA-) HUMAN GENOME
                                                                                                                                           (HUMA-) HUMAN GENOME SCI INC.
ry Match 34.0%; Score 525;
t Local Similarity 100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       25-NOV-2004.
                                                                                                                                                                                                                                                                                                                                                                  (GENE-) GENESIS RES & DEV CORP LTD
                                                                                                                                                                                                                                                                                                                                          ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                        ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SMITHKLINE BEECHAM CORP.
           ; protein; 141
NO: 536.
                                                                                                         protein; 141 AJ
system related
                                                                                                                                                                                                                                                                                                                                                                                                     protein; 134 AA.
SEQ ID NO: 173.
                                                                                                                                                                                                                                                                                                                                                                                                                                        37.3%; Score 5
100.0%; Pred. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              protein; 193 AA. receptor protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein; 193 AA. receptor #2.
                                                                                                                                                                                                                                                                                                                                           37.3%;
                                              SCI INC.
34.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               67.5%;
98.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        58.9%;
97.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    134
ID
                                                                                                                                                                                                                                                                                                                                           Score 576; pred. No.
                                               Score Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 1038;
Pred. No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 1042.5; DB Pred. No. 2.5e-68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 910;
Pred. No. 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AA.
NO:173.
                                                                                                                                                                                                                      ⋛
                                                                                                                                                                                                         SEQ
                                                                                                         antigen
                                                . 525;
                                                                                                                                                                                                                                                                                                                                                                                                                                           576;
                                                                                                                                                                                                                                             576;
. No.
                                                                                                                                                                                                          ij
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                F11R-B
                                                                                                                                                                                                                                                                                                        SEQ
                                                                                                                                             DB 4;
1.2e-30;
                                                                                                                                                                                                                                            DB 5; ; 2.1e-34;
                                                                                                                                                                                                                                                                                                                                           DB 4; I
2.1e-34;
                                                                                                                                                                                                                                                                                                                                                                                                                                            2.1e-34;
                                                                                                                                                                                                          No 175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .1e
                                                  DB 4;
1.2e-30;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB
                                                                                                          SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             amino
                                                                                                                                                                                                                                                                                                        Ħ
                                                                                                                                                                                                                                                                                                                                                                                                                                                       ω.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          -58;
                                                                                                                                                                                                                                                                                                        Ö
                                                                                                            IJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             acid
                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                          Length
                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                            <u>8</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                        173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 205;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            sequence
```

```
RESULT
ID AB
DE HU
PN US
PD 30
PA (J
PA (I
PA (E
PA (E
PA (I)
PA (I
PA (
                                                                                                                                                                                                                                                                                                             RESULT 436
ID AAU005
DE Human
PN WO2001
PD 01-MAR
PA (TEXA-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT
ID AI
DE HU
PN US
PD 03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 430
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PAGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 432
                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                  (MCCO/) MCCOY J M.
(LAVA/) LAVALLIE E R.
(COLL/) COLLINS-RACIE I
(EVAN/) EVANS C.
(MERB/) MERBERG D.
                                                                                                                                                                                                                                                                                                                                         Human junctional adhesion protein (WO200114404-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (ROSE/) ROSEN C A.
(RUBE/) RUBEN S M.
(BARA/) BARASH S C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAW85457 standard; protein; secreted protein encoded by
                                                                                                                                                                                                 ABP61801 standard; protein;
Human polypeptide SEQ ID NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human JAM-1 protein US2005025776-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human novel protein US2003077606-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human prostate cancer antigen, Seq ID No 282 WO200155316-A2.
                                                                                                                                                                                                                                                                 (TEXA-) TEXAS BIOTECHNOLOGY ry Match 27.9%; Local Similarity 35.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO9842739-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADW97861 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human prostate cancer associated US2003054373-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADJ09336 standard; protein; 141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADB31654 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US2002090672-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABP66815 standard; protein; 141 AA.
Human polypeptide SEQ ID NO 536.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAU22763 standard; protein; 141 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (HUMA-) HUMAN GENOME
                                                                                                                                                                                                                                                                                                                                                                                                                                            (GEMY) GENETICS INST INC.

CY Match 27.9%;
Local Similarity 35.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (HUMA-) HUMAN GENOME SCI INC.
ry Match 34.0%;
Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (HUMA-) HUMAN GENOME SCI INC.
ry Match 34.0%;
c Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (HUMA-) HUMAN GENOME SCI INC.
ry Match 34.0%;
Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WEBE/) WEBER C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Match
                                                                                                                                     JACOBS K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein; 141 AA
n SEQ ID NO 175.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       active fragment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             30.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   34.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SCI INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               34.0%;
                                                                  r
                                                                  Þ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            298 AA.
                                                                                                                                                                                                   298 AA
155.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score; Pred.
                                                                                                                                                                                                                                                                                                               CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score !
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 431; DB 2;
Pred. No. 2.2e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ct864_4.
                                                                                                                                                                                                                                                                                                                                                                                  (JAM2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            . No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   . 525;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             525;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        525;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      525;
. No.
                                                                                                                                                                                                                                                                    431; DB 4;
No. 2.2e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 9;
2.4e-26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 5; I
1.2e-30;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 4; I
1.2e-30;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1.2e-30;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 7;
1.2e-30;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SeqID282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 141;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               141;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  141;
```

```
Best Loca
RESULT 440
Best Local Similarity RESULT 439
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 438
                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
      (RUBE/) RUBEN S I
(ROSE/) ROSEN C I
(LIYY/) LI Y.
                                                                                                                                                                                                                                  AAE26983 standard; protein;
Human gene 25 encoded secret
US2002077287-A1.
                                                                                                                                                                                                                                                                                                        AAW75220 standard; protein; 298 AA. Human secreted protein encoded by g
                                                                                                                                                                                                                                                                                                                                                                               ABM82288 standard; protein; Tumour-associated antigenic WO2004030615-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADP56681 standard; protein; 298 AA. Human junction adhesion molecule 2 WO2004053058-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABR58532 standard; protein; 298 AA.
Human vascular endothelial junction-associated
                                         Human gene 25 en
US2002076756-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human JAM-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SPAU/) SPAULDING V.
                                                                                                                                                                                                                                                                                                                                                                                                                                               24-JUN-2004
                                  20-JUN-2002.
                                                             AAE27121 standard;
                                                                                                                                                                                                                                                                      (HUMA-) HUMAN GENOME SCI INC.
ry Match 27.8%;
Local Similarity 34.2%;
                                                                                                                                                                                                                                                                                                                                                                        15-APR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (NAST-) NASTECH PHARM CO INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     08-JAN-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO2004003145-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADI47178 standard; protein; 298 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (EOSB-) EOS BIOTECHNOLOGY INC.
ry Match 27.9%; Score
L Local Similarity 35.3%; Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO2003025138-A2.
                                                                                                                                                                                                                                                                                                                                                                (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                     (ELIL ) LILLY & CO
                                                                             ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                    ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ocal Similarity
                                                                                                                                                                                                                                                                                                                                            ocal Similarity
                                                                                                                                                                                                                                                                                                                                     3061-
-2004:
) GENENTECH INC.
27.9%; 5
                                                                                             ) MOORE P A.
) YOUNG P E.
) GREENE J M.
) FERRIE A M.
                                                                                                                                   GENTZ R L.
WEI Y.
                                                                                                                                                                               ZENG Z.
KYAW H.
                                                                                                                                                                                                RUBEN S
ROSEN C
LI Y.
                                                                                                                                                    SOPPET D R.
                                                                                                                                                                      FISCHER C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein sequence.
                                                 encoded secret
                                                                                                                                                                                                          > 3
                                                                                                                                                                                                                                                                                                                                                                                                                  ELI.
27.9%;
35.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          27.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       27.9%;
                                                                             34
                                                                                                                                                                                                                                             secreted
                                                   secreted
                                                                              . 24;
                                                                                                                                                                                                                                                                                                                                                                                        298 AA.
target
                                                             298
                                                                                                                                                                                                                                                      298 AA
                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                            protein
                                                  protein
                                                                                                                                                                                                                                                                                                                   gene
                                                                                                                                                                                                                                                                                                                                              431;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 431;
No. 2.
                                                                              429;
No.
                                                                                                                                                                                                                                                                       429;
No. 3
                                                                                                                                                                                                                                                                                                                                                                                                                    431;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          431;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       431; DB 5;
No. 2.2e-23;
                                                                                                                                                                                                                                                                                                                                                                                          (TAT)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (huJAM2)
                                                                              w
                                                   HTEEB42,
                                                                                                                                                                                                                                                                                                                    25
                                                                                                                                                                                                                                            HTEEB42,
                                                                              .1e-
                                                                                                                                                                                                                                                                                                                                                                                                                    .2e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 8;
.2e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 6;
.2e-23;
                                                                                                                                                                                                                                                                        .1e-
                                                                                                                                                                                                                                                                                                                                              .2e-
                                                                                                                                                                                                                                                                                                                                                                                         polypeptide
                                                                                                                                                                                                                                                                                                                    clone
                                                                                                                                                                                                                                                                                                                                             -23;
                                                                              -23;
                                                                                                                                                                                                                                                                       2;
-23;
                                                                                                                                                                                                                                                                                                                                                                                                                    8;
-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                full-length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              molecule protein.
                                                    SEQ
                                                                                                                                                                                                                                             SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                     HTEEB42
                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                      Length
                                                    ä
                                                                                                                                                                                                                                             Ħ
                                                                                                                                                                                                                                                                                                                                                                                          PRO28687,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 298;
                                                     NO:76
                                                                                                                                                                                                                                              NO:76
                                                                                                                                                                                                                                                                                 298;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          298;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein.
                                                                                                                                                                                                                                                                                                                                                                                          SEQ:5880
```

```
Best Local Similarity RESULT 449
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 445
RESULT
                                                                 RESULT
                                                                                                                                                                                                                       Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                         (RUBE/) RUBEN S I
(ROSE/) ROSEN C I
(LIYY/) LI Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABR47926 standard; protein; 298 AA. Human secreted protein, SEQ ID 817. WO200295010-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human gene 162 encoded WO200276488-A1. 03-OCT-2002.
(ROSE/) ROSEN (RUBE/) RUBEN (LIYY/) LI Y.
                                   ADG89803 standard;
Human protein from
US2003225009-A1.
                                                                                          08-MAY-2003.
(HUMA-) HUMAN GENOME
                                                                                                               WO2003038063-A2.
                                                                                                                        ADC74331 standard;
Human secreted prot
                                                                                                                                                                                                   ADB91670 standard; protein; 298 AA.
Human secreted protein #SEQ ID 616.
                                                                                                                                                                                                                                                                                                                                                                                             ABU64994 standard; protein; 298 AA.
Human secreted protein gene 25, protein.
US2002172994-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABR00172 standard; protein; 298 AA.
                                                                                                                                                                                           WO2003004622-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                   (HUMA-) HUMAN GENOME SCI INC.
ry Match 27.8%;
t Local Similarity 34.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (HUMA-) HUMAN GENOME SCI INC.
ry Match 27.8%;
Local Similarity 34.2%;
                                                                                                                                                                       HUMA-) HUMAN GENOME
                                                                          ocal Similarity
                                                                                    Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ) MOORE P A.
) YOUNG P E.
) GREENE J M.
) FERRIE A M.
                                                                                                                                                                                                                                                 YOUNG P E.
) GREENE J M.
) FERRIE A M.
                                                                                                                                                                                                                                                                                                                             ZENG Z.
KYAW H.
FISCHER C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENTZ R L.
WEI Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOPPET D R.
                                                                                                                                                                                                                                                                                                            SOPPET D R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FISCHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KYAW
                                                                                                                                                                                                                                                                                              ¤
⊏.
         റ
                                                                                                                      ard; protein; 298 AA.
protein - SEQ ID 964
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ဂ
         3 >
                                                       protein;
                                              secreted protein
                                                                         27.8%;
34.2%;
                                                                                                                                                   SCI INC.
27.8%;
34.2%;
                                                                                                                                                                                                                                27.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           27.8%;
34.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    secreted
                                                       298 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                          Score
Pred.
                                                                                                                                                    Pred.
                                                                                                                                                    Score 429;
Pred. No. 3
                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               No.
                                                                                                                                                                                                                                                                                                                                                                                                                                     429;
No. 3.
                                                                                                                                                                                                                                429; DB 6;
No. 3.1e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          429; DB 5;
No. 3.1e-23;
                                                                         429; DB 7;
No. 3.1e-23;
                                              gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3.1e-23;
                                                                                                                                                    3.1e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HTEEB42,
                                                                                                                                                                                                                                                                                                                                                                                                                                     .1e-
                                                                                                                                                                                                                                                                                                                                                                                                                                     -23;
                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IJ
                                                                                                                                                                                                                                           298;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NO:461
```

```
Best Loca
RESULT 452
                     Query Match
Best Local Similarity
RESULT 458
                                                                                                            Best Local Similarity RESULT 457
                                                                                                                                                                                                                                                                                             Best Loca
RESULT 455
                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
RESULT 454
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 453
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 451
                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WOZUULL
18-JAN-2001
(GETH ) GENENTECH INC.
(GETH ) TANDECH 27.5%; &
MAICH (TATILY 32.8%;
                                                                           AAM93905 standard;
Human polypeptide,
EP1130094-A2.
                                                                                                                                                                   AAB80272 standard; protein;
Human PRO1868 protein.
WO200104311-A1.
                                                                                                                                                                                                                                                           Human confluency regulated WO200053749-A2.
                                                                                                                                                                                                                                                                                   AAB27276 standard;
                                                                                                                                                                                                                                                                                                                                                  Human PRO1868 protein UNQ859
WO200053758-A2
                                                                                                                                                                                                                                                                                                                                                                          AAB33457 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                           PRO1868, an A33 antigen homologue.
WC200036102-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAY96735 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          30-JAN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human junctional WO2003008541-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAO16453 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human junctional WO2003008541-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAO16452 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (ZENG/)
(KYAW/)
(FISC/)
(LIHH/)
AAM93323 standard;
Human polypeptide,
                                                      (HELI-) HELIX RES
                                                                                                                                                                                                                                      (RMFD-) RMF DICTAGENE
                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (ELIL ) LILLY & CO ELI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (HAST/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOPP
                                                                                                                                                                                                              ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            YOUNG P E.
) GREENE J M.
) FERRIE A M.
) HASTINGS G J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOPPET D R. GENTZ R L. WEI Y.
                                                                                                                                                                                                                                                                                                                                                                                                                      GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZENG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LI H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FISCHER C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            d; protein; 310 AA. adhesion molecule 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        d; protein; 298 AA. adhesion molecule 2
                               3 INST.
27.5%;
32.8%;
protein; 310 AA
SEQ ID NO: 2845
                                                                                      protein; 310 AA.
SEQ ID NO: 4051.
                                                                                                                                                                                                                                                                                  protein;
                                                                                                                                                                                                                                                                                                                                                                                                27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        27.7%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                >
                                                                                                                                                                                                                                                                                                        27.5%;
                                                                                                                                                                                                              E SA.
27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        27.8%;
                                                                                                                                                                                                                                                                         adhesion
                                                                                                                                                                                                                                                                                   310
                                                                                                                                                                                                                                                                                                                                                                            310
                                                                                                                                                                                           310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  310 AA
                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO:193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 429; DB 8;
Pred. No. 3.1e-23;
                                Score 424; DB 4;
Pred. No. 7.5e-23;
                                                                                                                        Score 424; DB 4;
Pred. No. 7.5e-23;
                                                                                                                                                                                                                                                                                                          Score 424;
Pred. No. 7
                                                                                                                                                                                                                                                                                   A
                                                                                                                                                                                                                                                                                                                                                                                                 424;
No. 7.
                                                                                                                                                                                                                 424; DB 3;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        427; DB 6;
No. 4.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 428; DB 6;
No. 3.6e-23;
                                                                                                                                                                                                                                                                         molecule 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (huJAM3).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (huJAM2)
                                                                                                                                                                                                                                                                                                                                                                                                 DB 3;
.5e-23
                                                                                                                                                                                                                                                                                                          DB 3;
.5e-23;
                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                            Length
                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
```

```
Query Match
Best Local S.
RESULT 467
ID ABG65296 |
DE Human albi
PN WO2001771:
                                                                                                                                                                                                                                                                                                                                                  RESULT
ID AH
DE Hu
PN US
PD 25
PA (C
                                                                                                                                                                       RESULT
ID AB
DE Hu
PN WO
PD 03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best
RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BBBBB
                                                                                                                                                                                                                                                                                                                RESULT
                                                                                                                                                                                                                                            Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                US2002002.
25-UUL-2002.
(GETH ) GENENTECH INC.
(GETH ) 27.5%; {
                                                                                                                             03-JAN-2002.

03-JAN-2002.

(GETH ) GENENTECH INC.

27.5%; (

4-rch 27.5%; (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAB80409 standard; protein; 310 AA. Secreted protein encoded by gene #39. W0200107459-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAB80408 standard; protein; 310 AA. Secreted protein encoded by gene #38. WO200107459-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human PRO1868 polypeptide sequence. W0200140466-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EP1130094-A2.
05-SEP-2001.
(HELI-) HELIX RES
                                                                                                                                                                                                                                                                            ABG91361 standard; protein; Novel human secreted proteir US2002098505-A1.
                                                                                                                                                                                                                                                                                                                                                                      ABG92709 standard;
Human secreted prot
US2002098506-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Secreted protein WO200107459-A1.
 Human albumin
WO200177137-A1
                                                                                         Human albumin fusion WO200177137-A1.
                                                                                                   ABG65297 standard; protein; 310 AA.
Human albumin fusion protein #1972.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB80383 standard, protein; 310 AA. Secreted protein encoded by gene #13.
                     ABG65296 standard;
                                                                   18-OCT-2001
(HUMA-) HUMAN GENOME
                                                                                                                                                                                               Human PRO1868 protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-FEB-2001.
(HUMA-) HUMAN GENOME
                                                                                                                                                                                                          ABB84947 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-FEB-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-FEB-2001.
(HUMA-) HUMAN GENOME SCI INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   07-JUN-2001
                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                            HUMA-) HUMAN GENOME
                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                              Match
                                                                                                                                                                                                                                                                                                                                                                                                                     ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                  Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ocal Similarity
          dard; protein; 310 AA.
fusion protein #1971.
                                                                                                                                                                                                                                                                                                                                                                                  ard; protein; 310 protein PRO1868.
                                                                                                                                                                                              protein; 310 AA.
ein sequence SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                    E SCI INC.
27.5%; 9
32.8%; 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              E SCI INC.
27.5%;
32.8%;
                                           32.8%;
                                                                                                                                                                                                                            27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             27.5%;
                                                                                                                                                                                                                                                                                        protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27.5%;
32.8%;
                                                                                                                                                                                                                                                                                        310 AA.
n #7.
                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                             Score 424;
Pred. No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 424; DB 4;
Pred. No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                Score 424; DB 5;
Pred. No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                     Score 424;
Pred. No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 424;
Pred. No. 7
                                                                                                                                                                                                                                                                                                                                                                                              A
                                                                                                                                       424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                424;
No. 7
                                                                                                                                                                                                                                                                                                                           424; DB 5;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   424; DB 4;
No. 7.5e-23;
                                                                                                                                                                                               ID NO: 262
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                     DB 4;
                                                                                                                                       DB 5;
.5e-23;
                                             DB 5;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 4;
.5e-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 310;
                                                        Length
                                                                                                                                                 Length
                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
```

```
Best Local Similarity
RESULT 474
ID AB017884 standard; p
DE Novel human secreted
PN US2003032156-A1.
PD 13-FEB-2003.
PA (GETH) GENENTECH IN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT
ID AB
DE Hum
PN WO
PN WO
PA (G
PA (GE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
RESULT 468
                                                                                                                                                                                                                                                                                                                                                                                    Best
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 469
                                                                                                                                                                                                                                      RESULT 473
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
RESULT 471
                                                                                                                             Query Match
                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human PRO polypeptide #61.
US2002146709-A1.
10-OCT-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABG31401 standard; protein;
Human PRO1868 polypeptide.
US2002098507-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABG65298 standard; pi
Human albumin fusion
WC200177137-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (HUMA-) HUMAN GENOME
                                                                                                                                                                               ABU80867 standard;
Human secreted and
US2002192668-A1.
                                                                                                                                                                                                                                                                                                                            ABU72377 standard; protein; 310 AA.
Novel human secreted and transmembrane
US2002182618-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human angiogenesis WO200208284-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                31-JAN-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABB95553 standard; protein; 310 AA
Human angiogenesis related protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABU71650 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (HUMA-) HUMAN GENOME
                                                                                                                                                  (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (MOOD/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC. (BAKE/) BAKER K P. (FERR/) FERRARA N.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WATA/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GERB/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15-JUL-2002
                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9850.
-2002.
) GENENTECH INC.
27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GERRITSEN M E.
GODDARD A.
GODDWSKI P J.
GURNEY A L.
HILLAN K J.
HARSTERS S A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PAONI N F.
STEPHAN J F.
WATANABE C K.
WILLIAMS P M.
                                                                                                                                                                                                                                                                       2002.
GENENTECH INC.
27.
                                                                                                                                                                                                                                                                                                                                                                                                                                       GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WOOD W I.
                                                                                                                                              GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PAN J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GERBER H.
                                                  andard; protein; secreted and tra
                                                                                                                         A INC.
27.
     INC
                                                                                                                                                                                                  protein; 310 A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein;
                                                                                                                                                                                                                                                                                                                                                                                                   27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                27.5%; 5
32.8%; 1
                                                                                                                                                                                                                                                        27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              27.5%;
                                                                                                            27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SCI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein
                                                          transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          310 AA.
n #1973.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              310
                                                                         310
                                                                                                                                                                                                                       310 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                         ζ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                B
                                                                                                                                                                                                  polypeptide
                                                                                                              424;
No. 7.
                                                                                                                                                                                                                                                          424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                     424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRO1868 SEQ
                                                        protein
                                                                                                                                                                                                                                                                                                                                               protein
                                                                                                              .5e
                                                                                                                                                                                                                                                                                                                                                                                                     DB 6;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 5;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 5;
.5e-23;
                                                                                                                                                                                                                                                            . 5e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Se.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BB
                                                                                                              -23,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    -23;
                                                                                                                                                                                                                                                          -23,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   23,
                                                                                                                                                                                                      PRO1868
                                                          PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ü
                                                                                                                                                                                                                                                                                                                                                  PR01868
                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                             Length
                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NO:
                                                                                                                               310;
                                                                                                                                                                                                                                                                             310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        310;
```

```
Query Match
Best Local S
RESULT 476
                                                                           Best Local Similarity RESULT 483
                                                                                                                                                                                                                                                             Best Local Similarity RESULT 481
                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 478
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 477
                                                                                                                                                                     RESULT 482
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 475
                                                                                                  Query Match
                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local
                                                                                                                                                                               Best Local Similarity
                                                                             US20022
26-DEC-2002.
(GETH) GENENTECH INC.
(GETH) GENENTECH 27.5%; (
27.5%; (
27.5%; (
27.5%; (
27.5%); (
                          Human PRO polypeptide #269.
US200336180-Al.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human PRO polypeptide #61. US2002192659-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human secreted protein #592.
WO2002102994-A2.
27-DEC---
                                                                                                                                   ABO01834 standard; protein; 310 AA. Novel human secreted and transmembrane US2002197671-A1.
                                                                                                                                                                                                                          ABU71951 standard; protein; 310 AA. Human secreted/transmembrane protei US2003003530-A1.
                                                                                                                                                                                                                                                                                                                                                                                                               ABP71277 standard; protein; 310 AA. Human junctional adhesion molecule W02003006673-A2.
                                                                                                                                                                                                                                                                                                                     ABU81138 standard; protein;
Human PRO polypeptide #269.
US2003004311-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human secreted p
WO2002102994-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADA57610 standard; protein;
Human secreted protein #592.
WO2002102994-A2.
                                                                                                                                                                                                                                                                                                             02-JAN-2003
                                                                                                                                                                                                                                                                                                                                                                                                     23-JAN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADA57611 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (HUMA-) HUMAN GENOME SCI INC.
ry Match 27.5%;
t Local Similarity 32.8%;
                                                                                                                                                                                                                                                                                                                                                                (TEXA-) TEXAS BIOTECHNOLOGY CORP.

TY Match 27.5%; Score 424;
Local Similarity 32.8%; Pred. No. 7.
                                                                                                                                                                                                      (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HUMA-) HUMAN GENOME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
         Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                              ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                           HUMAN GENOME SCI INC.
h 27.5%;
Similarity 32.8%;
                    GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ard; protein;
protein #592.
H INC.
27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SCI INC.
27.5%;
32.8%;
                                                                                                                                                                              27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          27.5%;
                                                                                                                                                                                                                                                                         27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    310
                                                                310
                                                                                                                                                                                                                                                                                                                                             310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                      Score
Pred.
                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 424; DB 6;
Pred. No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
         Score 424;
                                                                                                                                                                                                                                      protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ₹
                                                                                                                                                                               424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                            w
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     424;
No. 7.
                                                                                       424;
No.
                                                                                                                                                                                                                                                                         424; DB 6;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       424; DB 6;
No. 7.5e-23;
                                                                                                                                                                                                                                        PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                            (JAM3)
                                                                                       ; DB 6;
7.5e-23;
                                                                                                                                              protein
                                                                                                                                                                                                                                                                                                                                                                    DB 6;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 6;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 6;
.5e-23;
         BB
                                                                                                                                                                               .5e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .Se-
         9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25 6
                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 310;
        Length
                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
         310;
                                                                                                                                                                                           310;
                                                                                                                                                                                                                                                                                                                                                                                310;
```

```
Best Local Similarity
RESULT 484
ID ARMEAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local S
RESULT 487
                                                                              Best Local Similarity RESULT 492
                                                                                                                                                                        Best Local Similarity RESULT 491
                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 490
                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 489
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
RESULT 488
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 486
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 485
 Best Local Similarity
                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   USZUVZ-
07-NOV-2002.
(GETH) GENENTECH INC.
27.5%;
Match 27.5%;
23.8%;
                                                                                                                                                                                                                                                                    US200210
31-OCT-2002.
(GETH ) GENENTECH INC.
(GETH ) 27.5%;
(GETH ) 27.5%;
                                                                                                                                                                                                                                                                                                                                                               US200003.
20-FEB-2003.
(GETH ) GENENTECH INC.
27.5%; (
                                                                                                                                                                                                                                                                                                                                                                                                                                                         US200002
23-JAN-2003.
(GETH ) GENENTECH INC.
27.5%;
Carch 27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US2U000
06-MAR-2003.
(GETH ) GENENTECH INC.
27.5%;
Match 27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US20/2-19-SEP-2002.
19-SEP-2002.
(GETH) GENENTECH INC.
27.5%;
Match 27.5%;
                                           ABU60813 standard; protein; Human secreted/transmembrane US2002160392-A1.
                                                                                                                           Human secreted / US2003036060-A1. 20-FEB-2003.
                                                                                                                                                                                                                                        ABU67405 standard; protein; 310 AA. Human secreted protein PRO1868.
                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                     US2003023054-A1.
30-JAN-2003.
                                                                                                                                                                                                                                                                                                                                     ABU64559 standard; protein; i
Human secreted/transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                    Human secreted/transmembrane protein (PRO) #269
US2003036179-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABU59919 standard;
Novel secreted and
US2003017563-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human PRO1868 po
US2002164646-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABO47422 standard; protein; 310 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human secreted/transmembrane US2002132240-A1.
                                                                                                                (GETH
                                                                                                                                                            ABO14925 standard; protein; 310 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                            ABO25109 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABG73314 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human secreted/transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABU54407 standard; protein; 310 AA
                                                                                                                ) GENENTECH INC.
                     GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   polypeptide
                                                                                                                                                 transmembrane polypeptide
                        INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                            protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    protein;
27.5%;
32.8%;
                                                                                        27.5%;
                                                                                                                                                                                  27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           32.8%;
                                                                    310
                                                                                                                                                                                                                                                                                                                                                 310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                            310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    310 AA.
                                                                                                                                                                                    Score
Pred.
                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                     protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
 Score 424; DB 6; Pred. No. 7.5e-23;
                                                       protein,
                                                                                                                                                                                                                                                                                                                                                                        Score 424; DB 6;
Pred. No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 424; DB 6;
Pred. No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pred.
                                                                   ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein
                                                                                          424;
No. 7.
                                                                                                                                                                                    424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  424; DB
No. 7.5e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       424;
No. 7
                                                                                                                                                                                                                                                                            424; DB 6;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7.5e-23;
                                                                                                                                                                                    DB 6;
.5e-23;
                                                                                          .5e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .5e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .5e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3 6;
-23;
                                                                                          ٠
و د
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   -23;
                                                                                                  Length
                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             310;
                                                                                                                                                                                                                                                                                                                                                                                     310;
```

```
RESULT
ID AB
DE Hu
PN US
PD 13
PA (G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT
ID AE
DE No
PN US
PD 23
                                                                                                                                           Best Loca
RESULT 500
                                                                                                                                                                                                                  Best
RESULT
                                                                                                                                                                               BREU
                                                                                                                                                                                                                                                                                        RESULT 498
                                                                                                                                                                                                                                                                                                                           BABB
                                                                                                                                                                                                                                                                                                                                                               RESULT 497
                                                                                                                                                                                                                                                                                                                                                                                                  BABB
                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 496
                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human ecreted/transmembrane, PR US2003032155-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel human secreted and tra
US2003017463-A1.
23-JAN-2007
                                                                                                                 ADA19138 standard; protein;
Human PRO polypeptide #269.
US2003054517-A1.
                                          Homo sapiens.
US2003049816-A1.
                                                                                                                                                                                       Human secreted/transmembrane US2003092002-A1.
                                                                                                                                                                                                                                                                     ADA76488 standard; protein;
Human PRO polypeptide #269.
                                                                                                                                                                                                                                                                                                                                        Novel human secreted and tra
                                                                                                                                                                                                                                                                                                                                                                                                        ABO14864 standard; protein; Human secreted / transmembra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human PRO1917polypeptide.
US2003032060-A1.
                                                            ADA61761 standard;
                                                                                                                                                                                                         ADB29627 standard; protein; 310 AA
                                                                                                                                                                                                                                                      US2003073212-A1.
17-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABU81236 standard; protein;
                                                                                               (GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                   JS2003022328-A1.
                                                                                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH
                                                                                                        0-MAR-2003
                                                                                                                                                                     GETH ) GENENTECH INC
                                                                                                                                                                                5-MAY-2003
                                                                                                                                                                                                                                            GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GETH ) GENENTECH INC
Local
502
                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                            ocal Similarity
                                                                                                                                                    ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                      ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                             ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENENTECH
                                                                                                                                                                                                                                                                                                                  GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENENTECH
        Similarity
                          GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                 transmembrane polypeptide
                                                                            1 INC.
27.5%;
y 32.8%;
                                                                                                                                                                                                                                                                                                                                                                      I INC.
27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               INC.
                                                            protein;
                                                                                                                                                                                                                                                                                               27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                            27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27.5%;
32.8%;
                                                                                                                                                    27.5%;
32.8%;
                                                                                                                                                                                                                          27.5%;
32.8%;
        27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                            in; 310 AA.
transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        310
                                                             310
                                                                                                                                                                                                                                                                              310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                            310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 310 AA
                                                                             Score Pred.
        Score
Pred.
                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                protein,
                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRO,
        424;
No.
                                                                                                                                                     424;
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   424;
No. 7.
                                                                              424;
No.
                                                                                                                                                                                                                                                                                                424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                      424; DB 6;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                              424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         424;
No. 7
                                                                                                                                                                                                                           424; DB 6;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    protein
                                                                              ; DB 6;
7.5e-23;
          7
                                                                                                                                                      7
                                                                                                                                                                                                                                                                                                 7.
                                                                                                                                                                                                                                                                                                                                           protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein
        DB 6;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 6;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 6;
.5e-23;
                                                                                                                                                                                                                                                                                                DB 6;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 6;
.5e-23;
                                                                                                                                                     . 5e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                   PR01868
                                                                                                                                                     -6;
-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ij
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRO1868+H30
                                                                                      Length
                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                Length
                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                310;
```

```
Best Local Similarity
                                                                                                                                                                                                                               Best Local Similarity
                                                                                                                                                                                                                                                                                                     Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
RESULT 506
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                         Query Match
                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                           US2U000
06-MAR-2003.
(GETH ) GENENTECH INC.
27.5%; §
Match 27.5%; §
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel human secreted and transmembr US2003082711-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human PRO polypeptide #269. US2003082704-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Novel human secreted and transmer US2003068796-A1.
                                                                                                                          ADA67711 standard; protein;
Human PRO polypeptide #269.
US2003068795-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                   Human PRO polypeptide #269. US2003087350-A1.
                                                    ADB30718 standard; protein;
Human PRO polypeptide #269.
US2003068794-A1.
                                                                                                                                                                                                            Human secreted/transmembrane
                                                                                                                                                                                                                                                                                     ADA18484 standard; protein; :
Human secreted/transmembrane
                                                                                                                                                                                                                                                                                                                                                  Human PRO polypeptide
US2003073215-A1.
ADA86014 standard; protein;
                                                                                                             (GETH )
                                                                                                                                                                                                     US2003045693-A1.
                                                                                                                                                                                                                      ABO32816 standard; protein;
                                                                                                                                                                                                                                                                            US2003039971-A1.
                                                                                                                                                                                                                                                                                                                                             17-APR-2003
                                                                                                                                                                                                                                                                                                                                                                      ADA47916 standard;
                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                    10-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
                                                                                         ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                               ocal Similarity
                                                                                                                                                                                                                                                                                                      7321.
-2003.
) GENENTECH INC.
27.5%; 9
         GENENTECH INC
                                                                                                           GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                      1 INC.
27.5%;
ty 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             H INC.
27.5%;
ty 32.8%;
                                                                                                                                                                                                                                                                                                                                                                      protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     27.5%;
                                                                                         27.5%;
32.8%;
                                                                                                                                                                                                                                        27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           and transmembrane
                                                                                                                                                                                                                                                                                                                                                             #269.
                                                                                                                                                                                                                                                                                    : 310 AA.
ne protein,
310 AA
                                                                      310
                                                                                                                                               310
                                                                                                                                                                                                                       310 AA
                                                                                                                                                                                                                                                                                                                                                                      310
                                                                                                                                                                                                                                                                                                                                                                                                                                             310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            310 AA
                                                                                         Score
Pred.
                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                Score 424; DB 6;
Pred. No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                 Score 424;
Pred. No. 7
                                                                                                                                                                                                             protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                               No. 7.
                                                                                         424;
No. 7.
                                                                                                                                                                424;
No. 7.
                                                                                                                                                                                                                                         424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                        424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               424;
No. 7
                                                                                                                                                                                                             PRO1868
                                                                                                                                                                                                                                                                                     #65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein PRO1868
                  DB 6;
                                                                                         .5e-
                                                                                                                                                                 DB 6;
                                                                                                                                                                                                                                                                                                                                                                                         .5e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 6;
.5e-23;
                                                                                                                                                                                                                                         . 5e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .5e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               . 5e
                                                                                                                                                                                                                                         -23;
                                                                                                                                                                                                                                                                                                                                                                                         23
                                                                                          ည်
သိ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       23.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                -23,
63,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                  Length
                                                                                                                                                                        Length
                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                        Length
                                                                                                   310;
                                                                                                                                                                                                                                                                                                                          310;
```

```
Query Match
Best Local Similarity
RESULT 520
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 512
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PAPR
                                                                                         RESULT 519
                                                                                                                                                                  RESULT 518
                                                                                                                                                                                                                                                                     REREE
                                                                                                                                                                                                                                                                                                                RESULT 51
                                                                                                                                                                                                                                                                                                                                                                                        RESULT 515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 513
                                                                                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                  Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                    US200000

08-MAY-2003.

(GETH) GENENTECH INC.

27.5%; /

MAICH 27-1EY 32.8%;
                                                                                          US200300...

08-MAY-2003.

(GETH ) GENENTECH INC.

(GETH ) 27.5%; (

Watch ....ity 32.8%;
                                                                                                                                                                                                                                                                         Human PRO polypeptide #61.
US2003044793-A1.
06-MAR-2003.
                                                      Human PRO polypeptide #269.
US2003087351-Al.
                                                                                                                               Novel human secreted and tra
US2003082694-Al.
                                                                                                                                                                                                                                                                                                                                                      Human PRO polypeptide #269.
US2003087349-A1.
                                                                                                                                                                                                             Human secreted/transmembrane US2003049621-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                            ADA87669 standard; protein; 310 AA. Novel human secreted and transmembrane US2003087345-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADA79530 standard; protein;
Human PRO polypeptide #269.
US2003082763-A1.
01-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADA97226 standard; protein;
Human PRO polypeptide #269.
US2003082705-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US2003082693-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel human secreted
                                                                                                                                                                                                                                ADA16459 standard; protein;
          ADB18987 standard;
                                                                                                                                                                                            (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                  ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 -2003.
) GENENTECH INC.
27.5%; ;
                                                                                                                                                                                                                                                                    GENENTECH INC.
undard; protein; 310 AA. secreted and transmembrane
                                                                                                                                                                          27.5%;
32.8%;
                                                                                                                                                                                                                                                  27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                 27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 27.5%;
32.8%;
                                                                                                                                                and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        and transmembrane protein PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         310
                                                                                310
                                                                                                                                                       310 AA.
                                                                                                                                                                                                                                 310 AA.
                                                                                                                                                                                                                                                                                                                                                                                310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 310 AA
                                                                                                                                                                                                                                                                                                         310 AA
                          Score
Pred.
                                                                                                  Score
Pred.
                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                       protein,
                                                                                                                                                                                                                                                  Score 424;
Pred. No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          424;
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   424;
No. 7.
                          424;
No.
                                                                                                   424;
No. 7.
                                                                                                                                                                          424;
No. 7.
                                                                                                                                                                                                                                                                                                                          424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                   424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          424; DB 6;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                          7.5e-23;
protein
                                                                                                                                              protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            7
                                                                                                                                                                                                                                                                                                                                                                                                                                              protein
                                                                                                   DB 6;
.5e-23;
                                                                                                                                                                                                                                                   . 5e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 6;
.5e-23;
                          .Se
                                                                                                                                                                          .5e
                                                                                                                                                                                                                                                                                                                                                                                                   . 5e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .5e-
                           23,
                                                                                                                                                                           23
                                                                                                                                                                                                                                                   23 6
                                                                                                                                                                                                                                                                                                                                                                                                   23,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   23.6
PRO1868
                                                                                                           Length
                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                  Length
                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                           310;
                                                                                                                                                                                  310;
                                                                                                                                                                                                                                                                                                                                    310;
                                                                                                                                                                                                                                                                                                                                                                                                            310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     310;
```

```
Best Local Similarity
RESULT 521
ID ADDAGE
                                                                                                                                                                                                                                                                         Query Match
Best Local S
RESULT 526
                                                                                                                                                                                                                                                                                                                                                                                                                                         Best
RESULT
                            Query Match
Best Local Similarity
RESULT 529
                                                                                                            Query Match
Best Local Similarity
RESULT 528
                                                                                                                                                                                          Best Local Similarity RESULT 527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 523
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 522
                                                                                                                                                                                                                                                                                                                                                        Best Loc
RESULT 525
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                               US2000.
24-APR-2003.
(GETH ) GENENTECH INC.
27.5%;
Match 27.5%;
                                                                                                                                                                                                                                                                                                                   Human PRO polypeptide #269. US2003068798-A1.
                                                                                                                                                            ADB24897 standard; protein;
Human PRO polypeptide SEQ II
US2003077713-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADB13410 standard; protein;
Human PRO polypeptide #269.
US2003082710-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADB20098 standard; protein; 310 AA. Novel human secreted and transmembr US2003082691-A1.
                                                                    ADA82421 standard; protein;
Human PRO polypeptide #269.
US2003082701-A1.
01-MAY-2003.
                                                                                                                                                                                                                                 ADA42604 standard; protein; 310 AA. Human secreted/transmembrane protei US2003054401-A1.
                                                                                                                                                                                                                                                                                                                                                                                                ABO43417 standard; protein; 310 AA. Novel human secreted and transmembrane US2003044945-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US2003073211-A1.
ADA75384 standard; protein;
Human PRO polypeptide #269.
US2003073216-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US2003077722-Ā1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADA94202 standard; protein;
Human PRO polypeptide #269.
                                                           (GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                        (GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3077/2_
2R-2003.
H ) GENENTECH INC.
27.5%; !
                                                                                                                                                                                                                                                                                                                                                                                                                                         308271
(Y-2003.
(H) GENENTECH INC.
27.5%; (
                                                                                                                                                                                                                        ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                       ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENENTECH
                                               1 INC.
27.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              I INC.
27.5%;
y 32.8%;
                                                                                                                                                                                                                                                                                    27.5%;
                                       27.5%;
                                                                                                                                                                                                    27.5%;
                                                                                                                                                                                                                                                                                                                                                                   27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   transmembrane
                                                                                                                                                                       Ħ
                                                                                                                                                                     310
NO
                     310
                                                                                                   310
                                                                                                                                                                                                                                                                                                                                                310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                        Score
Pred.
                                                                                                                      Score
Pred.
                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                      protein,
                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                       538.
                                                                                                                     424;
No. 7.
                                                                                                                                                                                                      424;
No. 7
                                         424; DB 6;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                    424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                   424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  424; DB 6;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 424; DB 6;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                424; DB 6;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                     protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein
                                                                                                                       DB 6;
.5e-23;
                                                                                                                                                                                                      Se.
                                                                                                                                                                                                                                                                                    .5e-
                                                                                                                                                                                                                                                                                                                                                                    5 B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 6;
.5e-23;
                                                                                                                                                                                                     -23;
                                                                                                                                                                                                                                                                                    6;
-23;
                                                                                                                                                                                                                                                                                                                                                                    -23;
                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                Length
                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            310;
```

```
, GENENTECH .

Match

Mest Local Similarity

RESULT 538
ID ADA93633 stand
DE Human PRO
PN US200
                                                                                                                                                                                 RESULT 537
ID ADB254
DE Human
PN US2003
PD 24-APR
                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Loca
RESULT 532
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 531
                                                                                                                                                                                                                                                                                                              Query
                                                                                                                                                                                                                                                                                          Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human PRO polypeptide #269.
US2003073214-A1.
17-APR-2003.
           ADA93633 standard; protein; 310
Human PRO polypeptide #269.
US200307772-A1.
24-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human PRO polypeptide #269.
US2003082703-A1.
01-MAY-7007
                                                                                                                                                                                                                   AUBZ5457 standard; protein; i
Human PRO polypeptide SEQ ID
                                                                                                                                                                                                                                                                                                                                                                          ADA47161 standard; protein;
Human PRO polypeptide #269.
US2003073210-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADA80694 standard; protein;
Human PRO polypeptide #269.
US2003082761-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABO17554 standard; protein;
Human PRO polypeptide #61.
US2003064367-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADA84910 standard; protein; 310 AA. Novel human secreted and transmembrane US2003082708-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADA85462 standard; protein; Novel human secreted and traUS2003082695-A1.
                                                                                                                                                                                                        US2003077715-Ā1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-MAY-2003
                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                               ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%; (27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENENTECH INC
                                                                                                               I INC.
27.5%;
y 32.8%;
                                                                                                                                                                                                                                                                                                                                    INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INC.
                                                                                                                                                                                                                                                                                   27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            transmembrane
                                                                                                                                                                                                                            NO 310
                                                                                                                                                                                                                                                                                                                                                                                                                    310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  310 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ξ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ₹
                                                                                                                   424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     424;
No. 7
                                                                                                                                                                                                                                                                                          424; DB 6;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 424; DB 6;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            424; DB 6;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          424; DB 6;
No. 7.5e-23;
                                                                                                                   7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; DB 6;
7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 6;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 6;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   . 5e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   -23;
                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                310;
```

```
Best Local Similarity RESULT 544
                                                                                                                                                                                                                                                    Best Local Similarity RESULT 546
                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
RESULT 539
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Loc
RESULT 541
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Loca
RESULT 540
                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC. 27.5%; (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US20002
22-MAY-2003.
(GETH ) GENENTECH INC.
27.5%; (MALCh 27.5%; (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US20U3V2-
15-MAY-2003.
(GETH ) GENENTECH INC.
(GETH ) 27.5%;
Match 27.5%;
                                                                                                                                                          Human PRO polypeptide #269. US2003082759-Al. 01-MAY-2003.
Human PRO polypeptide #269.
US2003082760-A1.
01-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human PRO polypeptide SEQ ID NO US2003077714-A1.
                                                                                                                                                                                                                                                                                                                                                  ADA81246 standard; protein;
Human PRO polypeptide #269.
US2003082702-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADB26983 standard; protein;
Human PRO polypeptide #269.
US2003092147-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADA96674 standard; protein;
Human PRO polypeptide #269.
US2003082690-A1.
01-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens.
US2003049817-A1.
13-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABU62957 standard; protein;
Human PRO1868 protein.
US2003054447-A1.
20-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADB31270 standard; protein;
Human PRO polypeptide #269.
US2003096386-A1.
22-MAY-2003.
                                                                                                                                                                                                                                                                                                                                   01-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADA61198 standard; protein;
                                                                                                                                                                                                                                                                                                               (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH )
                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ocal Similarity
                                                                                     27.5%;
"GENENTECH INC.
27.5%;
"32.8%;
                                                                                                                                                                                                                                                    92704
-2003.
) GENENTECH INC.
27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -2003.
) GENENTECH INC.
27.5%;
-27.5%;
-27.5%;
-27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7771-

-2003.

) GENENTECH INC.

27.5%; 9

1+v 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                 27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             27.5%;
                                                                                                                                                                                                                                 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           310
                                                                310
                                                                                                                                                                                                                                                                                                                                                                                            310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          310 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score Pred.
                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 424;
Pred. No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     538
                                                                                                                                                                                                                                 ₽
                                                                                                                                                                                                                                                                                                                                                                                              ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              424;
                                                                                                        424;
No. 7
                                                                                                                                                                                                                                                                       424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                      424;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          424; DB 6;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     424; DB 6;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                424; DB 6;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                      ŏ.
                                                                                                                                                                                                                                                                                                                                                                                                                                        7
                                                                                                          DB 6;
                                                                                                                                                                                                                                                                         DB 6;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                    , 5e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 6;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 6;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 6;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                      -23
                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     310;
```

INC

```
Best Loca
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 554
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity RESULT 553
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PN DE ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 549
                                                                                                                                                                                                        RESULT 556
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 552
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 551
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 550
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query
Best L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          USZUCZZO
13-MAR-2003.
(GETH ) GENENTECH INC.
27.5%; (MARCH 27.5%; (MARCH 27.5%; (MARCH 27.5%); (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US200000
01-MAY-2003.
(GETH ) GENENTECH INC.
27.5%;
Match 27-(ty 32.8%;
                                                                                                                                                                                                              US2003.

01-MAY-2003.

(GETH ) GENENTECH INC.

27.5%; (

27.5%; (

27.5%; (

27.5%; (

27.5%; (

27.5%; (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel human secreted and tra
US2003082765-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #269.
US2003068797-A1.
10-APR-2003.
                                                                                                           ADA46609 standard; protein; 310 AA. Novel human secreted and transmembrane US2003054516-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADA42180 standard; protein; 310 AA. Human secreted/transmembrane proteins2003082540-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADB18435 standard; protein;
Human PRO polypeptide #269.
US2003077710-A1.
                                                                                                                                                                                                                                                                                                                                                          ADA88221 standard; protein; 310 AA. Novel human secreted and transmembrane US2003082700-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADA13312 standard; protein; 310 AA.
Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US2003039969-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADA16883 standard; protein; 3 Human secreted/transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US2003082709-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel human secreted and tra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH) GENENTECH INC.

27.5%;

ry Match
Local Similarity 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 -2003.

-2003.

| GENENTECH INC.

27.5%; (27.5%; (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17/1-
-2003.
) GENENTECH INC.
27.5%; 5
-4 ty 32.8%;
                                                         GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENENTECH INC
A INC.
27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     310 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                310 AA.
                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                         Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                424; DB 7;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         424;
No. 7
                         424;
                                                                                                                                                                                                                                       424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 424; DB 7;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; DB 6;
7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                         protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein
                                                                                                                                              protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 7;
.5e-23;
                                                                                                                                                                                                                                       . 5e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .5e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              . 5e
                         BB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  -23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  7;
-23;
                      7;
                                                                                                                                                                                                                                       -23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ည် ၈
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 310;
                      Length
                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                    310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                310;
```

```
Best Loca
RESULT 561
                                                             Best Local Similarity
RESULT 565
                                                                                                                                                                                                                                       Best Local Similarity
RESULT 563
                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 562
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 559
                                                                                                                                                   Best Local Similarity ESULT 564
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
          Query Match
                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
                                                                                   Query Match
                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human PRO polypeptide #269. US2003082706-A1. OlymAY-2003.
                              ADB27535 standard; protein;
Human PRO polypeptide #269.
US2003022239-A1.
                                                                                                                  ADA97778 standard; protein;
Human PRO polypeptide #269.
US2003082686-A1.
                                                                                                                                                                                                                                                                                                                                                                                   ABO01894 standard; protein; Novel human secreted and traus2003027256-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #269.
US2003082699-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human secreted/transmembrane US2003054351-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADA17527 standard; protein; 310 AA. Human secreted/transmembrane protein
                     30-JAN-2003.
                                                                                                           01-MAY-2003
                                                                                                                                                                                                                   Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                      ADA77143 standard; protein;
Human PRO polypeptide #269.
                                                                                                                                                                                                                                                                                                                                                                          06-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US2003017498-A1.
23-JAN-2003.
                                                                                                                                                                                     (GETH
                                                                                                                                                                                                        US2003073213-A1.
                                                                                                                                                                                                                             ADA88773 standard; protein; 310 AA
                                                                                                                                                                                                                                                                                     27-MAR-2003
                                                                                                                                                                                                                                                                                              US2003059909-ĀĪ.
                                                                                                                                                                                                                                                                                                                                                              (GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADB28639 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADA43030 standard; protein;
                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                  27256
-2003.
) GENENTECH INC.
27.5%; /
Similarity
                                                                                                                                                                                  GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 27.5%;
32.8%;
                                                                                                                                                                                                                                                  27.5%;
32.8%;
                                                                                                                                                             27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           27.5%;
                                                                        27.5%;
32.8%;
27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  32.8%;
                                                                                                                                                                                                                                                                                                                                                                                              and transmembrane
                                                     310
                                                                                                                                                                                                                                                                                                                    310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        310 AA
                                                                                                                                          310 AA
                                                                                                                                                                                                                                                                                                                                                                                                         310 AA
                                                                        Score
Pred.
                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                        Score 424; DB 7;
Pred. No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein,
                                                                                                                                                             Score 424;
Pred. No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pred.
                                                                         424;
No. 7.
 424;
No. 7
                                                                                                                                                                                                                                                   424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                              424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                              protein
                                                                                                                                                                                                                   protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7.5e-23;
                                                                                                                                                              DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 7;
.5e-23;
 DB 7;
.5e-23;
                                                                         DB 7;
.5e-23;
                                                                                                                                                                                                                                                   . 5e
                                                                                                                                                                                                                                                                                                                                                                                                                              DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 7;
.5e-23;
                                                                                                                                                                                                                                                   7;
-23;
         Length 310,
                                                                                  Length
                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                         310;
                                                                                                                                                                                                                                                                                                                                                     310;
```

```
RESULT 570
ID ADB237
DE Human
PN US2003
PD 24-APR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 568
ID ADA671
DE Human
PN US2003
PD 10-APR
PA (GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT
ID AD
DE Hu
PN US
PD 24
PA (G
                                                                                                                                                                                                                                                                                                                                                    Best
RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                     US2003v;,
24 APR-2003,
(GETH ) GENENTECH INC.
(GETH ) 27.5%; (27.5%; (27.5%)
                                                                                                                                                                                                                                                                                                                                                                                             Human PRO polypeptide SEQ ID US2003077712-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADB23020 standard; protein;
Human PRO polypeptide #269.
US2003077711-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #269. US2003068793-A1.
                                                                                 ADB38278 standard; protein; 310 AA.
Novel human secreted and transmembrane
                                                                                                                                                                ADB38830 standard; protein; 310 AA.
Novel human secreted and transmembrane protein
                                                                                                                                                                                                                                           Human PRO polypeptide #269.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABO17615 standard; protein;
Human PRO polypeptide #61.
US2003064923-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               08-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADB22468 standard; protein; 310 AA.
Novel human secreted and transmembrane
             ADB66750 standard;
                                                                                                                                                       US2003082766-A1.
                                                                                                                                                                                                                                      JS2003087352-A1.
                                                                                                                                                                                                                                                                                                                      US2003082712-A1.
                                                                                                                                                                                                                                                                                                                               ADA92515 standard; protein; 310 Novel human secreted and transme
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US2003087344-A1.
                                                   (GETH ) GENENTECH INC
                                                                                                                                    GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                 GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GETH ) GENENTECH INC
                                Local Similarity
                                                                                                              Local Similarity
                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                              ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                            ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  -2003.
) GENENTECH INC. 27.5%; /
                                                                                                                                                                                    4735.
2003.
) GENENTECH INC.
27.5%; (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENENTECH INC.
andard; protein; 310 AA. secreted and transmembr
                                                                                                                                                                                                                                                                             Y 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                             27.5%;
                                                                                                                27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          27.5%;
                               27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         27.5%;
32.8%;
  transmembrane
                                                                                                                                                                                                                                                                                                                                transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                             310
310
                                                                                                                                                                                                                                                          310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       310
                                                                                                                                                                                                                                                                                                                                                                                                                                            Score Pred.
                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                Score
Pred.
                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                               538
                                                                                                                                                                                                                                                                                                                                         Ş
                                                                                                                                                                                                                                                                                                                                                             424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                             424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          424;
No.
                                 424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            424;
No. 7
                                                                                                                424; DB 7;
No. 7.5e-23;
                                                                                                                                                                                                                                                                               424; DB 7;
No. 7.5e-23;
                                                                                                                                                                                               424; DB 7;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; DB 7;
7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; DB 7;
7.5e-23;
  protein
                                                                                  protein
                                                                                                                                                                                                                                                                                                                               protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein
                                                                                                                                                                                                                                                                                                                                                             DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 7;
.5e-23;
                                DB 7;
.5e-23
   PR01868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRO1868
                                                                                   PRO1868
                                                                                                                                                                                                                                                                                     Length
                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                         Length
                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      310;
```

```
Best Loca
RESULT 578
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 581
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 576
                                                                                                                                                                                                                        Best Local Similarity RESULT 583
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 577
                                                                                                                                                                                                                                                                                                                                                                                    RESULT 582
                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US200000
01-MAY-2003.
(GETH) GENENTECH INC.
27.5%;
Match 27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel human secreted and transmembrane US2003082764-A1.
                                                                                                                                                                                                                                                                                                       Human PRO polypeptide #269. US2003082697-A1.
Human PRO polypeptide US2003077717-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel human secr
US2003082687-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human secreted/transmembrane US2003082542-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human secreted/transmembrane US2003077654-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADB90562 standard; protein;
Human PRO polypeptide #269.
US2003082762-A1.
01-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADB89830 standard; protein;
Human PRO polypeptide #269.
US2003082698-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US2003082689-A1.
01-MAY-2003.
                                       ADB34655 standard;
                                                                                                                                                              US2003082696-A1.
                                                                                                                                                                                 ADB77498 standard; protein; 310 AA.
Novel human secreted and transmembr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADB47286 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADB75084 standard; protein; 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADB77948 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH )
                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ocal Similarity
                                                                                                                                                                                                                      27.5%;
) GENENTECH INC.
27.5%;
) 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7765-
-2003.
) GENENTECH INC.
27.5%; (27.5%; (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27
                                                                                                                                                                                                                                                                                                                                                                                                                            GENENTECH INC.
                                                                                                                      GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           andard; protein; 310 AA. secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 i INC.
27.5%;
y 32.8%;
                  protein; 310
ide SEQ ID NO
                                                                                                                                                                                                                                                                                                                                                                                                       27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               27.5%;
                                                                               27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                27.5%;
                                                                                                                                                                                   and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    310
                                                                                                                                                                                                                                                                                                                                                                    310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             310 AA
                                                                               Score
Pred.
                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein,
                      538
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8
                                                                               424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                         424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     424;
No. 7.
                                                                                                                                                                                                                                             424; DB 7;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #65
                                                                                                                                                                                 protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein
                                                                               DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                         DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Se.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7;
-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    -23
-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRO1868
                                                                                               Length 310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     310;
```

```
RESULT 593
ID ADC19269 standard; p. PN US200303677
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity RESULT 588
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 585
                                                                                                                           Best Local Similarity RESULT 592
                                                                                                                                                                                                                                                                                                                                                                                    RESULT 589
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 586
                                                                                                                                                                                                             RESULT 591
                                                                                                                                                                                                                                                                                                 RESULT 590
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                Query Match
                                                                                                                                                                                                                        Best Local Similarity
                                                                                                                                                                                                                  US2U0002
27-MAR-2003.
(GETH ) GENENTECH INC.
27.5%; (
27.5%; (
27.5%; (
27.5%; (
27.5%); (
27.5%); (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US2003.
24-APR-2003.
(GETH ) GENENTECH INC.
27.5%; (
Match 'TWITY 32.8%;
                                                                                                                                                                                                                                                                                                                                     Novel human secreted and transmembrane US2003082692-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human PRO polypeptide SEQ ID US2003077718-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human PRO polypeptide SEQ ID US2003077719-A1.
            Human secreted/transmembrane US2003036061-A1.
                                                                                             ADC40445 standard; protein; i Human secreted/transmembrane US2003059829-A1.
                                                                                                                                                                                                                                                       ADC28731 standard; protein; 310 AA. Human secreted/transmembrane protei US2003059772-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                              ADB36311 standard; protein; 310 AA.
Human PRO polypeptide SEQ ID NO 538
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADB34103 standard; protein; 3
Human PRO polypeptide SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24-APR-2003
                                                                                                                                                                                Human secreted/transmembrane US2003059828-A1.
                                                                                                                                                                                                     ADC39931 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH
                                                   (GETH ) GENENTECH INC.
TY Match 27
Local Similarity 32
                                                                                                                                                           (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 INC.
27.5%;
cy 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 INC.
27.5%;
y 32.8%;
                                 protein; 310 AA
                                                                                                                                                                                         protein; 310 AA.
nsmembrane protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               27.5%;
                                                                                                                                      27.5%;
                                                                                                                                                                                                                                                                                                          27.5%;
                                                                                                                                                                                                                                                                                                                                                                                             27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   310 AA.
D NO 538.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      310 AA.
D NO 538.
                                                                                                                  310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        310
018
                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 424; DB 7;
Pred. No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 424;
Pred. No.
                      protein,
                                                    Score
Pred.
                                                                                                        protein,
                                                                                                                                                                                                                                                                           protein,
                                                   424;
                                                                                                                                                                                                                                                                                                                                                                                              424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 424;
No. 7
                                                                                                                                      424;
No. 7
                                                                                                                                                                                                                                                                                                            424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     424; DB 7;
No. 7.5e-23;
                                                                                                                                                                                                                         424; DB 7;
No. 7.5e-23;
                                                                                                                                                                                                                                                                             #65.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  7.5e-23;
                                                                                                                                                                                                                                                                                                                                                              protein
                                                    DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                              DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 7;
.5e-23;
                                                                                                                                      .5e-
                                                                                                                                                                                                                                                                                                            .5e-
                                                                                                                                      7;
-23;
                                                                                                                                                                                                                                                                                                            7;
-23;
                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                Length
                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              310;
```

```
Best Loca
RESULT 600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Loca
RESULT 596
                                                                                               Best Local Similarity RESULT 602
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
RESULT 599
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
RESULT 594
                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human PRO1868 protein, US2003077657-A1.
                                                                                                                                                                                                                                                                                                                                                                       ADC13215 standard; protein; Human secreted/transmembrane US2003073079-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADC19697 standard; protein; 310 AA. Human secreted/transmembrane protein, US2003054441-A1.
                   ADC50579 standard; protein; Novel human secreted and tra
US2003092106-A1.
15-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADC34145 standard; protein; Human secreted/transmembrane US2003073077-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADC29155 standard; protein; 310 AA.
Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human secreted/transmembrane US2003049676-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human secreted/transmembrane US2003036094-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADC34569 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH )
                                                                                                                                                         24-APR-2003.
(GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US2003054400-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human secreted/transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADC41040 standard; protein; 310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US2003049677-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADC29624 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .-2003.

) GENENTECH INC.

27.5%; 5

21-10 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3602.
-2003.
) GENENTECH INC.
27.5%; (27.5%; (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENENTECH INC.
INC
                                                                                                                                                                INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       27.5%;
                                                                                                                    27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                27.5%;
                                                            transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      310
                                                                                                                                                                                                                                                  310
                                                                                310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                  310 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 424; DB 7;
Pred. No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein,
                                                                                                                                                                                                                                                                                                                                                                                            protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein,
                                                                                                                       124;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    424;
No. 7.
                                                                                                                                                                                                                                                                                         424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                             424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             424; DB 7;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  424; DB 7;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #65.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #65.
                                                                                                                                                                                                                                                                                         7.5e-23;
                                                            protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 7;
.5e-23;
                                                                                                                       DB
Se
                                                                                                                                                                                                                                                                                                                                                                                                                                                             .5e.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .5e-
                                                                                                                       -23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           7;
-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  7;
-23;
                                                            PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                            Length
```

```
Quex,
Best Lo,
RESULT 606
ID ADC57
DE Nov
PN U'
PD
                                                                              RESULT 610
ID ADC547
DE Novel
PN US2003
PD 08-MAY
PA (GETH)
                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 605
ID ADC53:
DE Novel
PN US200:
PD 08-MA
           PA PR CI
                                                                                                                                                                                                                             P B B B B
                                                                                                                                                                                                                                                                       RESULT 608
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BREI
                                                                                                                                                                                                                                                                                                           BRBB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 604
                                                                       Query
                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query
                                                                                      Novel human secreted and transmembrane US2003087363-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADC72126 standard; protein; Novel human secreted and tra US2003092107-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel human secreted and tra
US2003092105-A1.
                          ADC53718 standard; protein; 310 AA. Novel human secreted and transmembr US2003087364-A1.
                                                                                                                                                                       ADC65659 standard; protein;
Human PRO polypeptide #269.
US2003087362-A1.
                                                                                                                                                                                                                                            ADC51132 standard; protein; 310 AA. Novel human secreted and transmembrane US2003087361-A1.
                                                                                                                                                                                                                                                                                                                  ADC60657 standard; protein; 310 AA. Novel human secreted and transmembrane US2003087367-A1.
                                                                                                                                                                                                                                                                                                                                                                                                ADC57466 standard; protein; 310 AA Novel human secreted and transmemb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADC53112 standard; protein; 310 AA. Novel human secreted and transmembrane
                                                              (GETH) GENENTECH INC.
ry Match 27.
t Local Similarity 32.
                                                                                                                                                                08-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                 08-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                             US2003087365-A1.
                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
                                                                                                                                                    GETH ) GENENTECH INC.
                                                                                                                                                                                                                          GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                         ocal Similarity
                                                                                                                                                                                                                                                                               ocal Similarity
                                                                                                                                                                                                                                                                                                                                                      ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                           ) GENENTECH INC
           GENENTECH
INC.
27.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INC.
                                                                                                                                   27.5%;
32.8%;
                                                                                                                                                                                                          27.5%;
32.8%;
                                                                                                                                                                                                                                                                               27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                         27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                     27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           27.5%;
.54;
                                                               .54
                                                                                                                                                                                                                                                                                                                                                                                                transmembrane protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            transmembrane protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 in; 310 AA.
transmembrane
                                    transmembrane
                                                                                                                                                                                         310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      310 AA
                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
  Score
                                                                                                                                   Score
Pred.
                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                         ጅ
                                                                                                                                    424;
No. 7.
                                                                                                                                                                                                                                                                                 424;
                                                                                                                                                                                                                                                                                                                                                     424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                          424;
No. 7.
  424;
                                                               424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       424;
No. 7.
                                                                                                                                                                                                          424; DB 7;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                424; DB 7;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            424; DB 7;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                  7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protein
                                    protein
                                                                                                          protein
                                                                                                                                                                                                                                                      protein
                                                                                                                                                                                                                                                                                                                           protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein
                                                                                                                                                                                                                                                                                                                                                      DB 7;
.5e-23;
                                                                                                                                    . 5e
                                                                                                                                                                                                                                                                                 .5e
                                                                                                                                                                                                                                                                                                                                                                                                                          DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       . 5e
  DB
                                                                .5e
                                                                7;
-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        7;
-23;
                                                                                                                                    7;
-23;
                                                                                                                                                                                                                                                                                 -23;
 7;
                                                                                                                                                                                                                                                                                                                                                                                                Seg
                                    Seq
                                                                                                          Seq
                                                                                                                                                                                                                                                       PR01868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Seq
                                                                                                                                                                                                                                                                                                                            PR01868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRO1868
Length
                                                                                                                                             Length
                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                     ID538
                                                                                                                                                                                                                                                                                                                                                                                                 ID538.
                                                                                                           ID538.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ID538.
                                                                                                                                              310;
                                                                                                                                                                                                                   310;
                                                                                                                                                                                                                                                                                         310;
                                                                                                                                                                                                                                                                                                                                                               310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      310;
```

```
Best
RESULT
                                                                                                                                                                                                                    RESULT 618
                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 617
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 614
                                                                                                                                                             Query Match
                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                 Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
                           Novel human secreted and tra. US2003087348-Al. 08-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel human secreted and tra
US200300739-A1.
                                                                                                                                                                                                                                                        ADC74606 standard; protein; 3
Human secreted protein - SEQ
WO2003038063-A2.
08-MAY-2003.
                                                                                                       US2003092104-A1.
15-MAY-2003.
                                                                                                                                                                                         ADC74607 standard; protein; 3 Human secreted protein - SEQ WO2003038063-A2.
                                                                                                                                                                                                                                                                                                                                          ADC74383 standard; protein; 3
Human secreted protein - SEQ
WO2003038063-A2.
                                                                                                                                                                                                                                                                                                                                                                                                           US2003082541-A1.
01-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADC56119 standard; protein; Novel human secreted and tr
                                                                                                                         ADD03363 standard; protein; 310 AA. Novel human secreted and transmembrane
                                                                                                                                                                                  08-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                            ADC12667 standard; protein; : Human secreted/transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     08-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADC58689 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US2003087346-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel human secreted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US2003087360-A1.
                                                                                                                                                                        (HUMA-) HUMAN GENOME
                                                                                                                                                                                                                                                                                                                         (HUMA-) HUMAN GENOME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH )
                                                                                                                                                                                                                                                (HUMA-) HUMAN GENOME
                                                                                                                                                                                                                                                                                                                                                                                                   (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH )
   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                            ocal Similarity
                                                                                                                                                     ocal Similarity
            Match
                                                                                                                                                                                                                             ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ocal Similarity
2003.
2003.
) GENENTECH INC.
27.5%
32.8
                                                                                                                                                                                                                                                                                                                                                                                                                                               373~
2003
) GENENTECH INC.
27.5%; 5
27.5%; 5
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                  GENENTECH INC.
                                                                                              GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 INC.
27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein;
                                                                                                                                                                                                                            27.5%; (
32.8%; )
                                                                                                                                                                                                                                                                                                      32.8%;
                                                                                                                                                    27.5%;
                                                                           27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                               27.5%;
32.8%;
                                                                                                                                                                       SCI INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     and transmembrane protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               in; 310 AA.
transmembrane
                                                 transmembrane
                                                                                                                                                                                                   Ö 110
                                                                                                                                                                                                                                                                                                                                                                                                                            310 AA.
le protein,
                                                                                                                                                                                                                                                                            Q 10
                                                                                                                                                                                                                                                                                                                                                     0 10
310
                                                           310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               310 AA.
                                                                            Score
Pred.
                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                       Score
Pred.
   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pred.
                                                                                                                                                                                                                                                                                                                                                     AA.
1016.
                                                           ₿
                                                                                                                                                                                                   AA.
1240
                                                                                                                                                                                                                                                                            AA.
1239.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 B
                                                                                                                                                                                                                                                                                                       424;
                                                                            424;
No. 7
                                                                                                                                                                                                                              424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                 424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                        424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           424;
No. 7
   424;
No. 7.
                                                                                                                                                     424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ŏ.
                                                                                                                                                                                                                                                                                                                                                                                                                             #65
                                                                                                                          protein
                                                 protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein
                                                                                                                                                                                                                              DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 7;
.5e-23;
   DB 7;
.5e-23;
                                                                                                                                                     DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 . Se
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                 .5e-
                                                                             DB
Se
                                                                                                                                                                                                                                                                                                                 DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .5e-23;
                                                                                                                                                                                                                                                                                                         Se-23;
                                                                                                                                                                                                                                                                                                                7;
                                                                            7;
-23;
                                                                                                                                                                                                                                                                                                                                                                                 7;
-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Seg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Seq ID538.
                                                  PRO1868
                                                                                                                          PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Seq
          Length
                                                                                    Length
                                                                                                                                                              Length
                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    310;
                                                                                                                                                               310;
```

```
BREI
                                                                                                                                                                                                                                                                                                                                                                                                       BBBBB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 623
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 621
ID ADC69774 standard;
                                                               RESULT 629
                                                                                                                                       Best Local Similarity RESULT 628
                                                                                                                                                                                                                                                                                          RESULT 626
                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 624
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 622
                                                                         Query Match
Best Local
                                                                                                                                                         Query Match
                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                  Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                             US2003...
16-OCT-2003.
(GETH ) GENENTECH INC.
(GETH ) 27.5%;
Match 27.5%;
                                                                                                                                                                                                                                                                                                                                Novel human secreted and transmembrane US2003092103-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #269.
US2003194776-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human PRO polypeptide #269. US2003194770-A1.
                                                                                                                                                                                                                                                       Human PRO polypeptide #269. US2003194774-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human PRO polypeptide #269. US2003194773-Al.
                                 ADD05222 standard; protein; 310 AA. Human secreted/transmembrane proteing 1052001104469-A1.
                                                                                                            ADC48111 standard; protein;
Human PRO polypeptide #269.
US2003194771-A1.
                                                                                                                                                                                     US2003105011-A1.
                                                                                                                                                                                              Human secreted/transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                Novel human secreted and transmembrane US2003087354-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                  ADD04767 standard;
                                                                                                                                                                                                       ADD10551 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                             GETH ) GENENTECH INC.
                                                                        ocal Similarity
                                                                                                                                                                                                                          ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                           ocal Similarity
                                                                                                                                                                                                                -2003.

-2003.

GENENTECH INC.

27.5%; 9

-4+v 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENENTECH
Similarity
                                                                                                                                                                 GENENTECH INC.
                                                                                                                                                                                                                                                                                                 1 INC.
27.5%;
y 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INC.
                                                                                                                                                                                                       protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                  protein;
                                                                                                                                                                                                                                                                                                                                                                           27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             27.5%;
                                                                                                                                               27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      27.5%;
27.5%;
32.8%;
                                                                       27.5%;
                                                                                                                                                                                         310 AA.
e PRO polypeptide
                                                                                                                                                                                                                                                                                 310
                                                                                                                              310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                  310 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           310 AA
Score
Pred.
                                                                       Score
Pred.
                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                         Score 424; DB 7;
Pred. No. 7.5e-23;
                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                           protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ₿
                                                                                                                                                                                                                                                                                                                                                                           424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             424;
No. 7.
424;
No. 7.
                                                                        424;
No. 7.
                                                                                                                                               424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       424;
No.
                                                                                                                                                                                                                                                                                                    424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        7.5e-23;
                                                                                                                                                                                                                                                                                                                                               protein
                                                                                                                                                                                                                                                                                                                                                                                                                        protein
DB 7;
.5e-23;
                                                                        DB 7;
.5e-23;
                                                                                                                                                DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                           DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                   .5e
                                                                                                                                                                                                                                                                                                                                                                                                                                                     .5e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB
                                                                                                                                                                                                                                                                                                    -23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7;
                                                                                                                                                                                             #131
                                                                                                                                                                                                                                                                                                                                                                                                                         PRO1868
      Length
                                                                                                                                                       Length
                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
```

```
Best Local Similarity RESULT 638
                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
RESULT 637
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 636
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 635
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
RESULT 634
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 633
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 632
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 631
                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                             USZUVZ--
16-OCT-2003.
(GETH) GENENTECH INC.
(GETH) 27.5%;
Match 27.5%;
                                                                                                                                                                                                                                                                       Human PRO polypeptide #269. US2003194792-A1. 16-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                               Human PRO polypeptide #269.
US2003194769-A1.
16-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel human secreted and tra
US2003203438-A1.
30-OCT-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human secreted/transmembrane US2003104381-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #269. US2003194775-A1. 16-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel human secreted US2003087358-A1. 08-MAY-2003
                                                                                                                                              ADD53784 standard; protein; 310 AA. Novel human secreted and transmembr
                                                                                                            US2003203437-A1.
30-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human secreted/transmembrane US2003108983-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADD11511 standard; protein; i
Human secreted/transmembrane
US2003105013-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADC80171 standard; protein; 310
ADD37304 standard; protein; 310
                                                                                   (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADD03804 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADD04228 standard; protein; 310 AA.
                                                                                                                                                                                              31947>_
2T-2003.
H) GENENTECH INC.
27.5%; ?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%; [27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Obul-
-2003.
) GENENTECH INC.
27.5%; /
-1-v 32.8%;
                                           Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          27.5%;
32.8%;
                                           32.
                                                                                                                                                     and transmembrane
                                           . 5 %;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  in; 310 AA.
transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       transmembrane
                                                                                                                                                                                                                                                                                                                                                  310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  310 AA
                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                             Score 424; DB 7;
Pred. No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 424;
Pred. No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 424;
Pred. No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          polypeptide
                                           424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          424;
No. 7.
                                                                                                                                                                                                                   424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         424; DB 7;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              424;
No. 7.
                                                                                                                                                   protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 7;
.5e-23;
                                           DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 7;
.5e-23;
                                                                                                                                                                                                                     ,5e-B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Se B
                                                                                                                                                                                                                     -23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRO1868.
                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         310;
```

```
RESULT 643
ID ADD380
DE Human
PN WO2002
PD 14-NOV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 641
ID ADD027
DE Human
PN US2003
PD 30-OCT
                                                                                                                                                                                                               Best Local Similarity RESULT 646
                       RESULT
                                                                                                                   Best Local Similarity RESULT 647
                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 644
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 642
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 640
                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query
                                                                               ADD92672 standard; protein;
Human PRO polypeptide #269.
US2003199030-A1.
                                                                                                                                                                                                                                                               Human PRO polypeptide #269.
US2003203430-A1.
30-OCT-200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #269.
US2003203431-A1.
30-OCT-2002
                                                                                                                                                                                      ADD54355 standard; protein; 310 AA. Novel human secreted and transmembrane protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADD51940 standard; protein;
Human PRO polypeptide #269.
US2003194779-Al.
                                                                                                                                                                                                                                                                                                                                                                             ADD38105 standard; protein; 310 Human secreted protein #288.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human secreted protein WO200290526-A2.
ADD91568 standard; protein;
Human PRO polypeptide #269.
                                                                                                                                                                                                                                                                                                                                                                   Human secreted
WO200290526-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADD38009 standard; protein; 310
Human secreted protein #192.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (HUMA-) HUMAN GENOME SCI INC.
ry Match 27.5%;
t Local Similarity 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human secreted protein #289.
WO200290526-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADD38106 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    05-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human secreted/transmembrane PRO polypeptide #131
                                                                                                                                                                                                                                                                                                                   (HUMA-) HUMAN GENOME SCI INC.
ry Match 27.5%;
Local Similarity 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                               (HUMA-) HUMAN GENOME SCI INC.
ry Match 27.5%;
Local Similarity 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC
                                                         GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH INC
                                                                                                                                                    GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                  ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ocal Similarity
                                                                                                                                                                                                                                                 GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27.5%;
32.8%;
                                                                                                                              27.5%;
32.8%;
                                                                                                                                                                                                                         27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               27.5%;
32.8%;
                                  27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            310
                                                                                                                                                                                                                                                                                              310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         310
                                                                                                        310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score Pred.
                                  Score
Pred.
                                                                                                                              Score
Pred.
                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                ⋛
                                                                                                                                                                                                                                                                                                                                                                                          ⋧
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ⋧
                                    424;
No.
                                                                                                                                                                                                                                                                                                                      424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                  424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    424;
No. 7
                                                                                                                                                                                                                          424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                424; DB 7;
No. 7.5e-23;
                                                                                                                               424; DB 7;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                      7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; DB 7;
7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; DB 7;
7.5e-23;
                                    7
                                                                                                                                                                                                                          DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                  DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 7;
.5e-23;
                                   DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                             Length
                                                                                                                                          Length
                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
```

```
Best Local Similarity RESULT 657
                                                                                                                   Best Local Similarity
                                                                                                                                                                                                         Best Local Similarity
                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
RESULT 654
                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 653
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 649
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
                                                   Query Match
                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US2U----
23-OCT-2003.
(GETH ) GENENTECH INC.
27.5%;
Match 27.5%;
23.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US2U0-1-2003.
23-OCT-2003.
(GETH ) GENENTECH INC.
27.5%; (
Match 27.5%; (
32.8%;
                                                                                                                                                                                                                                                                                                 US2003.
16-OCT 2003.
(GETH ) GENENTECH INC.
27.5%; (
                                                                                                                                                                                                                                                                                                                                                                                      US2000...
30-OCT-2003.
(GETH) GENENTECH INC.
27.5%; (
... Match 'Tavity 32.8%;
                                                                                  ADE33583 standard; protein; Novel human secreted and traUS2003194767-A1.
                                                                                                                                                                                                                                               US2003199023-A1.
                                                                                                                                                                                                                                                                                                                                                  ADE42171 standard; protein;
Human PRO polypeptide #269.
US2003194772-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human PRO polypeptide #269. US2003199056-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADE04182 standard; protein;
Human PRO polypeptide #269.
US2003199057-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US2003199055-A1
23-OCT-2003.
                                                                                                                                                                                 ADD92120 standard; protein;
Human PRO polypeptide #269.
                                                                                                                                                                                                                                                                                                                                                                                                                              ADD79635 standard; protein;
Human PRO polypeptide #269.
US2003203428-A1.
30-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADE32479 standard; protein; Novel human secreted and traus2003194765-A1.
ADE34135 standard; protein; Novel human secreted and traUS2003194791-A1.
                                                                                                                                                                US2003199053-A1
23-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                              (GETH ) GENENTECH INC.
                                                                                                                                                     (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                          (GETH )
                                                                                                                                                                                                         99u2-
2003.
) GENENTECH INC.
27.5%; 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        27.5%;
32.8%;
                                                                                                                              27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27.5%;
32.8%;
                                         27.5%;
32.8%;
                                                                                              and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            in; 310 AA.
transmembrane
          transmembrane
                   310
                                                                                                           310 AA.
                                                                                                                                                                                                                                                                                    310
                                                                                                                                                                                                                                                                                                                                                                         310
                                                                                                                                                                                               310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                               310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              310 AA
                                         Score
Pred.
                                                                                                                               Score
Pred.
                                                                                                                                                                                                                   Score 424; DB 7;
Pred. No. 7.5e-23;
                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                             Score 424;
Pred. No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 424;
Pred. No. 7
                   B
                                         424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        424;
No. 7
                                                                                                                                424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               424;
No. 7.
                                                                                                                                                                                                                                                                                                         424; DB 7;
No. 7.5e-23;
                                                                                              protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              protein
          protein
                                          DB 7;
.5e-23;
                                                                                                                                DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                               DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .5e-
           PRO1868
                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                        Length
                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                     310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         310;
                                                                                                                                                                                                                                 310;
```

```
Best Local Similarity RESULT 666
                                                                                                                                                                                                                                                                   Best Loc
RESULT 663
                                                                                                             Best Local Similarity RESULT 665
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
RESULT 658
                                                                                                                                                                                                                                                                                                                                               RESULT 662
                                                                                                                                                                                                                                                                                                                                                                                                                          Best Loc
RESULT 661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 660
                                                                                                                                                                                        RESULT 664
                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                     Query Match
                                                                                                                                Query Match
                                                                                                                                                                                                 Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                      US2003.
23-OCT-2003.
(GETH ) GENENTECH INC.
(SETH ) 27.5%; ?
("arch ''arty 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US2003.
16-OCT-2003.
(GETH) GENENTECH INC.
27.5%; (
MATCh 27.5%; (
27.5%; (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human PRO polypeptide #269.
US2003207417-A1.
06-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human PRO polypeptide #269. US2003199025-A1.
                                                                          Human PRO polypeptide #269. US2003199064-A1.
                                                                                                                                                   Human PRO polypeptide #269.
US2003199059-A1.
23-OCT-2007
Human PRO polypeptide #269. US2003203429-A1.
                                                                                                                                                                                                                               Human PRO polypeptide #269.
US2003199033-A1.
23-OCT-7007
                                                                                                                                     23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                  ADE19092 standard; protein;
Human PRO polypeptide #269.
US2003199026-A1.
                                                                                                                                                                                                                                                                                                                                                                                                      ADE35056 standard; protein; 310 AA.
Human secreted/transmembrane protei
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADD93224 standard; protein;
Human PRO polypeptide #269.
                                                                                                                                                                                                                                                                                                                                                                                             US2003077583-A1.
                                                              (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC
                                                                                                                                                                                                                   GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                           GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                    ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENENTECH
                                                                                                                                                                                                1 INC.
27.5%;
cy 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 INC.
27.5%;
y 32.8%;
                                           27.5%;
                                                                                                                     27.5%;
                                                                                                                                                                                                                                                                                                                                                       27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                    27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           27.5%;
                         310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   310
                                                                                                   310
                                                                                                                                                                              310
                                                                                                                                                                                                                                                           310
                                                                                                                                                                                                                                                                                                                                     310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         310 AA
                                           Score
Pred.
                                                                                                                     Score
Pred.
                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 424; DB 7;
Pred. No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                      protein,
                                                                                                                                                                                                                                                                                                                                     ₿
                                                                                                                     424;
No. 7
                                                                                                                                                                                                                                                                                                                                                        424;
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                    424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                424;
No. 7.
                                            424;
No. 7
                                                                                                                                                                                                  424;
No.
                                                                                                                                                                                                                                                                             424;
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                        ; DB 7;
7.5e-23;
                                                                                                                                                                                                  7.5e-23;
                                                                                                                                                                                                                                                                               7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 7;
.5e-23;
                                                                                                                     DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 7;
.5e-23;
                                            . 5e
                                                                                                                                                                                                                                                                             . 5e
                                                                                                                                                                                                                                                                                                                                                                                                                                    . 5e-
                                                                                                                                                                                                          B
                                                                                                                                                                                                                                                                             7;
-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                    -23;
                                                                                                                               Length
                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                   Length
                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     310;
```

```
Best Local Similarity RESULT 675
                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
RESULT 673
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 672
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 671
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 669
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 668
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 667
                                                                                                                                                                                                                                                                     Best Local Similarity
RESULT 674
                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                           US200312.
16-OCT-2003.
(GETH) GENENTECH INC.
(GETH) 27.5%; (27.5%; (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US2001...
23-OCT-2003.
(GETH) GENENTECH INC.
27.5%; (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US2003...
16-OCT-2003.
(GETH) GENENTECH INC.
27.5%; (
Match 27.5%; (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US2003av.
06-NOV-2003.
(GETH) GENENTECH INC.
27.5%;
4arch 27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US2003123-0CT-2003.
(GETH ) GENENTECH INC.
(GETH ) 27.5%;
(GETH ) 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human PRO polypeptide #269. US2003199032-A1.
                                                                                                                                                       06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                       ADG21688 standard; protein; 310 AA Novel human secreted and transmembs US2003207355-A1.
                   ADG23329 standard; protein; 310 AA. Novel human secreted and transmembs US2003207384-A1.
                                                                                                                                                                                                                                                                                                                                                                            ADE92979 standard; protein;
Human PRO polypeptide #269.
US2003194777-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADE04850 standard; protein;
Human PRO polypeptide #269.
US2003199034-A1.
23-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADE41051 standard; protein;
Human PRO polypeptide #269.
US2003199031-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADD89767 standard; protein;
Human PRO polypeptide #269.
US2003199028-A1.
23-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDBUT39 standard; protein;
Human PRO polypeptide #269.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel human secreted and tra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ) GENENTECH INC. 27.5%; /
GENENTECH INC
                                                                                                                      27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           27.5%;
                                                                                                                                                                                                                                and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     and transmembrane
                                                           transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                          310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                             424; DB
No. 7.5e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              424;
No. 7.
                                                                                                                        424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  424; DB 7;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein
                                                           protein
                                                                                                                                                                                                                                protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 7;
.5e-23;
                                                                                                                        Se
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    . 5e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .
5 B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .5e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .5e-
                                                                                                                        7;
-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           -7;
-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    7;
23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
```

```
Best
RESULT
ID ALL
DE HI
PD U(
PD 1
PA (
PA (
PA PA
PA
PA
PA
PA
PA
PA
PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT
ID AD
DE Hu
PN US
PD 06
PA (G
                                                                                                                                                      Best Local Similarity RESULT 682
RESULT
                                                                                                                 2 2 E E
                                                                                                                                                                                            BRED
                                                                                                                                                                                                                                                                                                            Best Loca
RESULT 680
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT
                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query
                                                                             US2000200
06-NOV-2003.
(GETH ) GENENTECH INC.
27.5%; !
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GURN/) GURNEY A L. (NAPI/) NAPIER M A. (TUMA/) TUMAS D. (WOOD/) WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human PRO polypeptide #269.
US2003207373-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human PRO polypeptide #269.
US2003207370-A1.
06-NOV-2007
                                                                                                                        ADH56020 standard; protein; 310 AA.
Novel human secreted and transmembrane
US2003207379-A1.
                                                                                                                                                                                                   ADH55468 standard; protein; 310 AA. Novel human secreted and transmembr US2003207381-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADG80176 standard; protein;
Human PRO polypeptide #269.
US2003207372-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 06-NOV-2003.
(GETH ) GENENTECH
                                                       ADI38318 standard; protein; 310 AA.
Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                                                        ADH59539 standard; protein; 310 AA.
Human secreted/transmembrane protein,
                                              US2003054352-A1.
                             (GETH )
                                                                                                                                                                                            06-NOV-2003
                                                                                                                                                                                                                                                                                JS2003039972-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                            luman PRO1868 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                      ADH62558 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                         (ASHK/) ASHKENAZI A.
(FONG/) FONG S.
                                                                                                                                                                                                                                                            GETH ) GENENTECH INC
                                                                                                                                                                                 GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   676
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Match
         ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                    03171568-A1.
                                                                                                                                                                                                                                                                                                                                                                             FONG S.
GODDARD A.
                           GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                        27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          27.5%;
                                                                                                                                                              27.5%;
                                                                                                                                                                                                                                         27.5%;
         27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                     27.5%;
                                                                                                                                                                                                              transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                       310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        310
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
         Score
Pred.
                                                                                    Score
Pred.
                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                       ጅ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ጅ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ጅ
                                                                                                                                                               424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         424;
No. 7
                                                                                                                                                                                                                                           424; DB 7;
No. 7.5e-23;
         424; DB 7;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                     424; DB 7;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    424; DB 7;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            424; DB 7;
No. 7.5e-23;
                                                                                     424; DB 7;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                424; DB 7;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                          #65.
                                                                                                                                                                                                             protein
                                                                                                                                  protein
                                                                                                                                                               DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 7;
.5e-23;
                                                                                            7;
                                                                                                                                    PRO1868
                                                                                                                                                                                                               PR01868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 310;
                 Length
                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                        Length 310;
                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                               310;
                                                                                                                                                                                                                                                    310;
                                                                                                                                                                                                                                                                                                                                310;
```

```
Best Loca
RESULT 688
           Best
RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 686
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 685
                                                                                                                                                                                                                                            Best Local Similarity RESULT 690
                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 689
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 687
                                                                                                                                                                 Best Local Similarity RESULT 691
                                                                                      Best Local Similarity RESULT 692
                              Query Match
                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                         Query Match
                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel human secreted and transmembrane protein US2003207385-A1.
                                                                                                                                                                                                                                                                                                                                                                Novel human secreted and tra
US2003207377-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel human secreted and tra
US2003207387-Al.
                                                       ADN16117 standard; protein; 310 AA.
Novel human secreted and transmembrane
US2003087353-A1.
                                                                                                                           Novel human secr
US2003087355-A1.
08-MAY-2003.
                                                 08-MAY-2003
                                                                                                                                                                                                                          ADJ26586 standard; protein; 310 AA. Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                                                                     ADJ58518 standard; protein; Human PRO1868 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADH82101 standard;
Novel human secrete
US2003207388-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US2003207386-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADI65188 standard; protein; Novel human secreted and tra
                                                                                                                                              ADM82718 standard; protein;
Novel human secreted and tra
                                                                                                                                                                                                       20-MAR-2003
                                                                                                                                                                                                                                                                                          US2003170864-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                           06-NOV-2003
                                                                                                                                                                                                                 US2003054349-A1.
                                        (GETH
                                                                                                                                                                                              (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                    11-SEP-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                   ocal Similarity
                                                                                                                                                                                                                                             7080-
-2003.
) GENENTECH INC.
27.5%; ;
27.5%; ;
                                                                                                                                                                                                                                                                                                                          073;

-2003.

) GENENTECH INC.

27.5%;

27.5%;

32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ) GENENTECH INC. 27.5%; (27.5%; (27.5%; (27.5%))
                            GENENTECH INC.
                                                                                                                  GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                GENENTECH
standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             andard; protein; 310 AA. secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                            1 INC.
27.5%;
y 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27.5%;
                   27.5%;
                                                                                               27.5%;
                                                                                                                                                                           27.5%;
                                                                                                                                                                                                                                                                                                                                                                                  and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     and transmembrane
                                                                                                                                              in; 310 AA.
transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                310
  310
                                                                                                                                                                                                                                                                                                                 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  310 AA
                                                                                                                                                                                                                                                                                                                                                                                            310 AA.
                   Score
Pred.
                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                Score
Pred.
                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                 B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                B
                   424;
                                                                                                                                                                                                                                                       424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                              424; DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  424;
No. 7
                                                                                                424;
No. 7
                                                                                                                                                                            424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     424;
No. 7
                                                                                                                                                                                                                                                                                                                                  424; DB 7;
No. 7.5e-23;
                                                                                                                                                                                                                           #65
                                                                                                                                                                                                                                                                                                                                                                                 protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                              protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protein
                                                                    protein
                                                                                                                                              protein
                                                                                                                                                                            DB 7;
.5e-23;
                                                                                                                                                                                                                                                        DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 7;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 7;
.5e-23;
                               명
                                                                                                 5e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5e
                                                                                                 -23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -23
                                                                                                                                                                                                                                                                                                                                                                                                               -23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRO1868
                                                                                                                                                PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRO1868
                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                           Length
                              Length
                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                 310;
                                                                                                                                                                                                                                                                                                                                              310;
                                                                                                                                                                                                                                                                                                                                                                                                                        310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     310;
```

```
Best Local Similarity
RESULT 702
ID ADE75939 standard;
DE Human PRO polypepti
                                                                                                                                                                                                                                                                           Best Loc
RESULT 699
                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 698
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Loc
RESULT 694
                                                                                                        Best Loc
RESULT 701
                                                                                                                                                                                          RESULT 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 696
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 695
                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                         US20032--
30-OCT-2003.
(GETH ) GENENTECH INC.
(GETH ) 27.5%; 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US20000

08-MAY-2003.

(GETH ) GENENTECH INC.

27.5%; (

MARCh 27-1EY 32.8%;
                                                                                                                                                                                                                                                                                                               Human PRO polypeptide #269.
US2003100087-A1.
29-MAY-2003.
                                                                                                                                                                                                                                    Human PRO polypeptide #269.
US2003092113-Al.
15-MAY-2007
ADE75939 standard; protein; Human PRO polypeptide #269.
                                                                                   ADE79925 standard; protein; : Human secreted/transmembrane
                                                                                                                                                         ADD86491 standard; protein;
Human PRO polypeptide #269.
US2003203440-A1.
                                                                                                                                                                                                                                                                                                                                                                                                               Human secreted/transmembrane US2003135025-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADC81275 standard; protein; Novel human secreted and trus US2003092115-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADN15013 standard; protein; 310 AA. Novel human secreted and transmembrane US2003087357-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADN15565 standard; protein; 310 AA. Novel human secreted and transmembrane US2003087356-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel human secreted US2003087385-A1. 08-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                    ADE79501 standard; protein;
                                                                          US2003130489-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH INC.
                                                                                                                                                                                                                       GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ocal Similarity
                      3046.
-2003.
) GENENTECH INC.
27.5%; 9
27.5%; 9
32.8%;
                                                                                                                                                                                                                                                                                                                                                            35022
-2003.
) GENENTECH INC.
27.5%; ;
                                                                                                                                                                                                  27.5%;
32.8%;
                                                                                                                                                                                                                                                                                     27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            rotein; 310 AA. and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                and transmembrane protein PRO1868
                                                                                 310 AA.
ne protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      310
             310 AA
                                                                                                                                                                               310
                                                                                                                                                                                                                                                                                                                                                    310
                                                                                                                                                                                                                                                                                                                                                                                                                                     310 AA
                                                                                                                                                                                                                                                                 310
                                Score
Pred.
                                                                                                                 Score
Pred.
                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                          protein,
                                                                                                                                                                               ₿
                                                                                                                                                                                                                                                                 ጅ
                                                                                                                                                                                                                                                                                                                                                    B
                                                                                                                                                                                                                                                                                                                                                                       424;
No. 7.
                                424;
No.
                                                                                                                  424; DB 8;
No. 7.5e-23;
                                                                                                                                                                                                  424;
No. 7.
                                                                                                                                                                                                                                                                                      424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                        424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             424;
No. 7.
                                                                                   #65.
                                                                                                                                                                                                                                                                                                                                                                                                                          #65.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein
                                                                                                                                                                                                  DB 8;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                        DB 8;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 7;
.5e-23;
                                DB 8;
.5e-23;
                                                                                                                                                                                                                                                                                     . 5e
                                                                                                                                                                                                                                                                                                                                                                                                                                                        . 5e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           . 5e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            .5e
                                                                                                                                                                                                                                                                                      23.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                        23,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           -23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -23;
                                                                                                                            Length
                                                                                                                                                                                                                                                                                              Length
                                         Length
                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                   310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     310;
```

```
RESULT
                             Query Match
Best Local Similarity
RESULT 711
                                                                                                                 Query Match
Best Local Similarity
RESULT 710
                                                                                                                                                                                                    Best Local Similarity RESULT 709
                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 708
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Loc
RESULT 705
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 703
                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 706
                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                           UNAVAZZOO3.
15-MAY-2003.
(GETH) GENENTECH INC.
27.5%;
27.5%;
27.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US2000---
15-MAY-2003.
(GETH ) GENENTECH INC.
27.5%; (
44+ch ''--(EY 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US20---
29-MAY-2003.
(GETH) GENENTECH INC.
(GETH) 27.5%;
Match 27.5%;
27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        USZUCZ-2003.

10-JUL-2003.

(GETH ) GENENTECH INC.

27.5%;

Match 27.5%;

32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US2003222
13-NOV-2003.
(GETH ) GENENTECH INC.
(GETH ) 27.5%; ?
                                                                                                                                                       Human PRO polypeptide #269.
US2003199062-A1.
23-OCT-2003.
                                                                                                                                                                                                         30-OCT-2003.
(GETH) GENENTECH INC.
FY Match 27.5%;
Commilarity 32.8%;
                                                                                ADE74136 standard; protein; Human secreted/transmembrane US2003148370-A1.
                                                                                                                          (GETH) GENENTECH INC. 27.5%;
EXY Match 27.5%;
It Local Similarity 32.8%;
                                                                                                                                                                                                                                             ADD87535 standard; protein;
Human PRO polypeptide #269.
US2003203439-A1.
30-OCT-2003.
                                                                                                                                                                                                                                                                                                                                 ADE24710 standard; protein;
Human PRO polypeptide #269.
US2003092111-A1.
15-MAY-2003.
ADE18540 standard; protein;
Human PRO polypeptide #269.
US2003194794-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                               ADE24067 standard; protein;
Human PRO polypeptide #269.
US2003092110-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADE23515 standard; protein;
Human PRO polypeptide #269.
US2003092108-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human secreted/transmembrane US2003100497-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADE73601 standard; protein; 310 AA. Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADE41512 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                      ocal Similarity
                                         27.5%;
                                                                                                                                                                                                                                                                                                                                                                                     27.5%;
32.8%;
                                                                                                                                                                                           310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                310 AA.
e PRO po
                     310
                                                                                                                                                                                                                                                                              310
                                                                                                                                                                                                                                                                                                                                                                                                                                                      310
                                                                                                       310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        310 AA
                                                                                                                                                                                                                                                                                                                                                                  310 AA
                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                          Score
Pred.
                                                                                                                            Score
Pred.
                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                             protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                polypeptide
                                                                                                                                                                                                              ± 424;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   No. 7.5e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          424;
No. 7
                                          424; DB 8;
No. 7.5e-23;
                                                                                                                            424;
No. 7.
                                                                                                                                                                                                                                                                                                  424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                      424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        7.
                                                                                                                                                                                                               .5e
                                                                                                                            DB 8;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                      . Se
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .5e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Se.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Se DB
                                                                                                                                                                                                                                                                                                   5e
                                                                                                                                                                                                                8;
-23;
                                                                                                                                                                                                                                                                                                                                                                                        8;
-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          -23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    -23;
                                                                                                                                                                                                                                                                                                    .
23,-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .
23,
                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               310;
```

```
Query Match
Best Local Similarity
RESULT 712
ID ADE88849 standard; I
DE Human PRO polypeptic
PN US2003199054-A1.
Best RESULT AD DE NO PN US PD 23
                                                                                                                                                                                                                        RESULT 71
ID ADE9
DE Huma:
PN US20
PD 23-O
PA (GET
                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 715
                                                                                                                RESULT
                                                                                                                                                      PR BE
                                                                                                                                                                                             RESULT
                                                                                                                                                                                                                                                                                                    PARRE
                                                                                                                                                                                                                                                                                                                                                                                         See
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BREE
                                                       Query
                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                      Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US20U312
23-OCT-2003.
(GETH ) GENENTECH INC.
27.5%;
Catch 27.5%;
27.5%;
                                                                                                                                                                                                                                    Human PRO polypeptide #269.
US2003199060-A1.
                                                                                                                                                                                                                                                                                                               Human PRO polypeptide #269. US2003199052-Al. 23-OCT-200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADE94869 standard; protein;
Human PRO polypeptide #269.
US2003199027-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human PRO polypeptide #269. US2003199054-Al.
ADE92427 standard; protein; 310 AA. Novel human secreted and transmembruS20031990:A1.
23-OCT-2003.
                                                                                   ADE98809 standard; protein; : Human secreted/transmembrane US2003211569-A1.
                                                                                                                                                              ADF35112 standard; protein;
Human PRO polypeptide #269.
US2003199029-A1.
                                                                                                                                                                                                                                                                                                                                                                                               ADE91280 standard; protein;
Human PRO polypeptide #269.
US2003199061-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADE99690 standard; protein; 310 AA.
Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US2003211576-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH )
                                                                                                                                                                                                                                                                                                                                                                              (GETH ) GENENTECH INC
                                    Local Similarity
                                                                GETH ) GENENTECH
                                                                                                                                             GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                          GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                Local Similarity
                                                        Match
                                                                                                                          ocal Similarity
                                                                                                                                                                                                                                                                                                                                                           ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                        ocal Similarity
                                                                                                                                                                                                                                                                                                   GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENENTECH
                                                                                                                                                                                                                       GENENTECH INC.
                                             1 INC.
27.5%;
y 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 INC.
27.5%;
y 32.8%;
                                                                                                                                             INC.
                                                                                                                                                                                                     27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                           27.5%;
32.8%;
                                                                                                                         27.5%;
32.8%;
                                                                                                                                                                                                                                                                                27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                       27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27.5%;
32.8%;
                   transmembrane
                                                                                            310 AA.
e protein,
                                                                                                                                                                                   310
                                                                                                                                                                                                                                                              310
                                                                                                                                                                                                                                                                                                                                         310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        310
                                                                                                                                                                                                                                                                                                                                                                                                                      310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                310 AA
                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                              Score
Pred.
                                                                                                                          Score 424; DB 8;
Pred. No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                   ₿
                                                                                                                                                                                                                                                                                                                                                            424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                         424;
No.
                                              424;
No. 7
                                                                                                                                                                                                     424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          424; DB 8;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                           424;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              424; DB 8;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                 ŏ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    424; DB 8;
No. 7.5e-23;
                                                                                              #65.
                                               ; DB 8;
7.5e-23;
                                                                                                                                                                                                                                                                                                                                                             ; DB 8;
7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                        7.
                  protein PRO1868
                                                                                                                                                                                                                                                                               DB 8;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 8;
.5e-23;
                                                                                                                                                                                                       DB 8;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                  Length
                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                       Length
                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                           310;
                                                                                                                                                                                                                                                                                                                                                                      310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     310;
```

```
Query Match
Best Local S
RESULT 724
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Loca
RESULT 723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 721
                                                                                                                                                                                                                                                                                                                     PA PA PA PA PA
                                                                                                                                                                                                                                                                                 Best Local Similarity
RESULT 725
                                                            Best Local Similarity ESULT 728
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                               Query Match
                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                 US20034...
13-NOY-2003.
(GETH) GENENTECH INC.
27.5%;
Match 27-1ty 32.8%;
                                                                                                                                                                                                                                                                                                                                      (DESN/) DESNY.....
(GODD/) GODDARD A.
(GODO/) GODOWSKI P J.
                                                                                                                                                                                                                                                                                                            (GURN/) GURNEY A L. (MATH/) MATHER J P. (WILL/) WILLIAMS P M. (WOOD/) WOOD W I.
                           Human PRO polypeptide #269. US2003207376-A1.
                                                                                                                                                                         Human PRO polypeptide #269. US2003207352-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADE90728 standard; protein;
Human PRO polypeptide #269.
US2003199063-A1.
                                                                                                                                                                                                                                                      ADF74100 standard; protein; i
Human secreted/transmembrane
US2003180312-A1.
                                                                                                                                                                                                                                                                                                                                                                                    ADG40706 standard; protein; Human secreted/transmembrane US2003225253-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADE99236 standard; protein; 310 AA. Human secreted/transmembrane protein, US2003211568-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADE91875 standard; protein; Novel human secreted and tra
                                                                                                 US2003207360-A1.
                                                                                                                 ADG22240 standard; protein; Novel human secreted and tra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US2003199058-A1.
23-OCT-2003.
                                                                                                                                                                                                                                                25-SEP-2003
                                                                                                                                                                (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GETH )
                                                                                          (GETH )
                                                                                                                                                                                                                                       (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH )
Local Similarity
                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
         Match
                                                                                                                                                                                                                    ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9903.
-2003.
) GENENTECH INC.
27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             99uo-
2003.
) GENENTECH INC.
27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENENTECH INC.
                                                                                                                                                                                                                                     GENENTECH INC.
                 GENENTECH
                                                                                        GENENTECH INC.
                                                                                                                                                              GENENTECH INC.
                 INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           27.5%;
32.8%;
                                                                      27.5%;
                                                                                                                                                                                                                    27.5%;
                                                                                                                                             27.5%;
                                                                                                                                                                                                                                                                                           27.5%;
32
                                                                                                                   and transmembrane
         27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            transmembrane
                                                                                                                                                                                                                                                               310 AA.
e protein,
                                                                                                                          310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           310
                                                      310
                                                                                                                                                                                                   310
                                                                                                                                                                                                                                                                                                                                                                                                       310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
Score
Pred.
                                                                      Score
Pred.
                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                             protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            B
                                                      ζ
                                                                       424;
No. 7
                                                                                                                                                                                                                    424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             424;
No. 7
424;
No. 7.
                                                                                                                                              424;
No. 7
                                                                                                                                                                                                                                                                                            424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                         424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     424; DB 8;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                              #65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #65
                                                                                                                   protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 8;
7.5e-23;
DB 8;
.5e-23;
                                                                                                                                                                                                                     .Se-
                                                                                                                                                                                                                                                                                                                                                                                                                         DB 8;
.5e-23;
                                                                                                                                               .5e.
                                                                                                                                                                                                                                                                                            .5e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .5e-
                                                                        .5e
                                                                                                                                                                                                                     -23;
                                                                                                                                                                                                                                                                                            23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               23,
                                                                        23
                                                                                                                                                23.0
                                                                                                                    PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                              Length
                                                                                                                                                      Length
                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                310;
                                                                                                                                                        310,
```

```
RESULT 737
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 730
                                                                                                                                    Best Local Similarity RESULT 736
                                                                                                                                                                                                          RESULT 735
                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Loc
RESULT 732
                                                                                                                                                                                                                                                                                  RESULT 734
                                                                                                                                                      Query Match
                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human
US2003207422
06-NOV-2003
06-NOV-2003
77FTH ) GENENTECH INC.
27.5%; S
                                                                                                                                                                                                                                                                                                                        Human PRO polypeptide #269.
US2003207353-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel human secreted and transmembr US2003207426-Al.
                                                                                                   Human PRO polypeptide #269. US2003207425-Al.
                                                                                                                                                                         Human PRO polypeptide #269.
US2003207375-A1.
06-NOV-2007
                                                                                                                                                                                                                                                                                                                                                                                               Human PRO polypeptide #269.
US2003207351-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human PRO polypeptide #269.
US2003208055-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human PRO polypeptide #269. US2003207422-Al.
                                  ADF73676 standard; protein; i
Human secreted/transmembrane
US2003166051-A1.
                                                                                                                                                                                                                                                              AUG16924 standard; protein;
Human PRO polypeptide #269.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                         US2003207359-A1.
                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                      GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                    (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETH ) GENENTECH INC.
                                                                       Local Similarity
                                                                                                                                                                                                                    ocal Similarity
                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                          ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                  ocal Similarity
                                                                                                                                                                                                                                                                                 -2003.

-2003.

GENENTECH INC.

27.5%; 5

-4+v 32.8%;
                                                                                                                                                              ) GENENTECH INC.
Similarity
                  GENENTECH INC
                                                                                                                                                                                                                H INC.
27.5%;
ty 32.8%;
                                          protein; 310 AA.
nsmembrane protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               27.5%;
                                                                                                                                                                                                                                                                                                                                                                  27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                          27.5%;
                                                                                                                                            27.5%;
32.8%;
                                                                      27.5%;
32.8%;
27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               and transmembrane
                                                                                                                                                                                                   310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                310
                                                                                                                           310
                                                                                                                                                                                                                                                                          310
                                                                                                                                                                                                                                                                                                                                                 310
                                                                                                                                                                                                                                                                                                                                                                                                                        310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              310
Score
Pred.
                                                                      Score
Pred.
                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                           ₹
                                                                                                                                                                                                                                                                          ₿
                                                                                                                                                                                                                                                                                                                                                  ξ
                                                                                                                                                                                                                                                                                                                                                                                                                         ₿
                                                                                                                                            424;
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 424;
No. 7.
424;
No. 7
                                                                      424;
No. 7.
                                                                                                                                                                                                                    424; DB 8;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                  424;
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                          424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        424;
No. 7
                                                                                                                                                                                                                                                                                            424; DB 8;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; DB 8;
7.5e-23;
                                                                                                                                              7
                                                                                                                                                                                                                                                                                                                                                                    7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein
DB 8;
.5e-23;
                                                                       DB 8;
.5e-23;
                                                                                                                                             DB 8;
                                                                                                                                                                                                                                                                                                                                                                  DB 8;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                          . 5e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .5e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  23 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRO1868
       Length
                                                                                                                                                     Length
                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                               Length
                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
         310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  310;
```

```
Best Loca
RESULT 739
                                                                                                                                                                                       Best Local Similarity RESULT 746
                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 745
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
RESULT 744
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
RESULT 742
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 741
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 740
                                                             Query Match
                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                US2U0000
06-NOV-2003.
(GETH ) GENENTECH INC.
27.5%; (
Match 27.5%; (
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US20002...
06-NOV-2003.
(GETH ) GENENTECH INC.
27.5%; (MARCH 27-5K; (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%); (27.5%)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human PRO polypeptide #269.
US2003207357-A1.
06-NCV-2003.
                                                                                                                                                                                                                                                                          Novel human secreted and transmembrane US2003207427-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel human secreted and tra
US2003207389-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADG15714 standard; protein;
Human PRO polypeptide #269.
US2003219885-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel human secreted and transmembrane US2003207424-A1.
                                                                                                                                            ADG07368 standard; protein; 310 AA. Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human PRO polype US2003207423-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADG06297 standard; protein;
Human PRO polypeptide #269.
US2003207374-A1.
06-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADF97112 standard; protein;
Human PRO polypeptide #269.
US2003207371-A1.
                                                                                                                          US2003207350-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADG04170 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
ADG07920 standard; protein;
                                                                              (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ocal Similarity
                                                                                                                                                                                       0742.

-2003.

) GENENTECH INC.

27.5%;

-27.5%;

-27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2003.
) GENENTECH INC.
27.5%;
27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENENTECH INC.
                                         Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               scandard; protein;
polypeptide #269.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          27.5%;
                                       32
                                         .58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            transmembrane
310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         310
                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                               Score 424; DB 8;
Pred. No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 424; DB 8;
Pred. No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 424;
Pred. No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ጅ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                424;
                                         424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        424;
No. 7.
                                                                                                                                                                                                           424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     424; DB 8;
No. 7.5e-23;
                                                                                                                                              protein
                                                                                                                                                                                                                                                                                                                  protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 8;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 8;
.5e-23;
                                         DB 8;
                                                                                                                                                                                                             .5e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 8;
.5e-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5e
                                                                                                                                                                                                             8;
-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ည်အ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRO1868.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 310;
                                                           Length 310;
                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                   310;
```

```
MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MATCH

J MAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT
ID AD
DE NO
PN US
PD 06
PA (G
                                    Best
RESULT
                                                                                                                                                                          веяt Local Similarity
RESULT 755
                                                                                                                                                                                                                                                                                                                                                                           RESULT
ID AD
DE NO
PN US
PD 06
PA (G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT
ID AL
DE HU
PN US
PD 06
   ᇤ답
                                                                                           PA PR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 749
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BBBB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BBB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BREI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 748
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        a
                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query
                                                                                                                                                                                 US200320...
06-NOV-2003,
(GETH ) GENENTECH INC.
(GETH ) 27.5%;
(GETH ) 27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human PRO polypeptide #269. US2003207358-A1.
                                                                                                                                           ADG55967 standard; protein; 310 AA. Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                 ADG57071 standard; protein; 310 AA.
Novel human secreted and transmemb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human secreted/transmembrane US2003027145-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADG62183 standard; protein; 310 AA Novel human secreted and transmemb
   Novel
                                                                                                                                                                                                                                                                                                                                                                                                                              ADG57623 standard; protein; 310 AA. Novel human secreted and transmembrane
                      ADG58727 standard;
                                                                                                                            JS2003207365-A1.
                                                                                                                                                                                                                                                                                                                                                                                                             US2003207362-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADG92519 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US2003207428-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US2003207390-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADG61079 standard; protein; 310 AA Novel human secreted and transmemb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US2003194778-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADG55415 standard; protein; 310 AA.
Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel human secreted
US2003207356-A1.
                                                                                        GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GETH ) GENENTECH
                                                     Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Match
   human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENENTECH INC.
27.5%;
h
Similarity 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENENTECH
andard; protein; 310 AA. secreted and transmembr
                                                                                                                                                                                                                                                                                                                                    1 INC.
27.5%;
y 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       27.5%;
32.8%;
                                                     27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           and
                                                                                                                                                                                                                                                                                      transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            transmembrane
 transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       transmembrane protein PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   310 AA
                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 424; DB 8; Pred. No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      424;
No. 7.
                                                     424;
No. 7.
                                                                                                                                                                                              424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    424;
No. 7.
                                                                                                                                                                                                                                                                                                                                          424; DB 8;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           424; DB 8;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #65.
                                                                                                                                                                                              7.5e-23;
protein
                                                                                                                                           protein
                                                                                                                                                                                                                                                                                    protein
                                                                                                                                                                                                                                                                                                                                                                                                                              protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .5e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 8;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 8;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .5e
                                                        5e
                                                       -23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        -8;
-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .23,
23,
   PR01868
                                                                                                                                                                                                                                                                                      PR01868
                                                                                                                                             PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                   Length
                                                                                                                                                                                                               Length 310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     310;
                                                                       310;
                                                                                                                                                                                                                                                                                                                                                            310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       310;
```

```
RESULT 765
                                                                                                  Best Local Similarity RESULT 764
                                                                                                                                                                         Best Local Similarity RESULT 763
                                                                                                                                                                                                                                       Best Local Similarity RESULT 762
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
RESULT 757
                                                                                                                                                                                                                                                                                                             RESULT 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Loc
RESULT 759
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Loc
RESULT 758
                                    Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                              Query Match
                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                    Novel human secreted and tra
US2003207363-A1.
06-NOV-2003.
                                                                                                                                        Human PRO polypeptide #269. US2003077723-A1. 24-App-----
                                                                                                                                                                                                     Human PRO polypeptide #269. US2003207805-A1.
ADG52583 standard; protein; 310 Novel human secreted and transme US2003207414-Al.
                                                                       ADH12161 standard; protein; 310 AA. Novel human secreted and transmembrane US2003207419-A1.
                                                                                                                                                                                                   06-NOV-2003.
                                                                                                                                                                                                                                                                                   Novel human secruts2003207421-A1.
                                                                                                                                                                                                                                                                                           ADG71645 standard; protein; Novel human secreted and tra
                                                                                                                                                                                                                                                                                                                                                 US2003207415-A1.
                                                                                                                                                                                                                                                                                                                                                            Novel human secreted and transmembr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADG92946 standard; protein; : Human secreted/transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADG71093 standard; protein; 310 AA. Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US2003207368-A1.
                                                                                                                                       24-APR-2003
                                                                                                                                                                                                                                                                           06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-NOV-2003
                                                                06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US2003027146-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US2003207420-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                               (GETH )
                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ocal Similarity
                                                                                                  77742
-2003.
| GENENTECH INC.
| 27.5%; /
| -4+v | 32.8%; /
                                                                                                                                                                                                                                                                                                                                                                                                                                                          O'142

-2003

) GENENTECH INC.

27.5%;

-1+v 32.8%;
                                                                                                                                                                                                                                                                                                              ) GENENTECH INC. 27.5%; 27.5%; 32.8%;
                                                                                                                                                                                                                                                                  GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                           GENENTECH INC.
h 27.
Similarity 32.
                                                      GENENTECH
                                          A INC.
                                                                                                                                                                                                                                               1 INC.
27.5%;
32.8%;
                                   27.5%;
                                                                                                                                                                                 27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                27.5%;
                                                                                                                                                                                                                                                                                                                                                                   and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                         and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                            . 88;
           transmembrane
                                                                                                                                                                                                                                                                                             transmembrane
                                                                                                                                                                                                                              310
                                                                                                                                                                                                                                                                                                      310
                                                                                                                                                                310
                                                                                                                                                                                                                                                                                                                                                                                                                                                  310 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        310 AA
                                    Score
Pred.
                                                                                                           Score
Pred.
                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein,
                    8
                                                                                                                                                                                                                                                                                                      ⋛
                                                                                                                                                                B
                                                                                                                                                                                                                              B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                e 424;
                                                                                                            424;
No. 7
                                                                                                                                                                                                                                                                                                                       424;
No. 7
                                     424;
No.
                                                                                                                                                                                  424;
No. 7.
                                                                                                                                                                                                                                                424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                             424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    424; DB 8;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #65
          protein
                                      7
                                                                                 protein
                                                                                                                                                                                                                                                                                           protein
                                                                                                                                                                                                                                                                                                                                                                   protein
                                                                                                                                                                                                                                                                                                                                                                                                                                         protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein
                                                                                                                                                                                                                                                 . 5e
                                                                                                                                                                                                                                                                                                                                                                                             DB 8;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .5e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 8;
.5e-23;
                                                                                                                                                                                  .5e-
                                      5e
                                                                                                             5e
                                                                                                                                                                                                                                                                                                                        5e
                                                                                                            -23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8;
-23;
                                    8;
-23;
                                                                                                                                                                                  8;
-23;
                                                                                                                                                                                                                                                  -8;
23;
                                                                                                                                                                                                                                                                                                                       8;
-23;
           PR01868
                                                                                                                                                                                                                                                                                                                                                                                                                                         PRO1868.
                                                                                  PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRO1868
                                                                                                                                                                                                                                                                                             PRO1868
                                                                                                                                                                                                                                                                                                                                                                    PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                              Length
                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                               310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           310;
                                                                                                                      310;
```

```
RESULT 774
ID ADH207
DE Human
PN US2004
PD 08-JAN
PA (GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Loca
RESULT 767
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 768
                                                                                                                                                                                                                                                                                                                          BREI
                                                                                                                                                                                                                                                                                                                                                               RESULT 770
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
                                                                                                                                                                                                       RESULT 772
                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 769
                                                       Query Match
Best Local Similarity
                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                        US2003v2...
30-UAN-2003,
(GETH ) GENENTECH INC.
(GETH ) 27.5%; ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human PRO polypeptide #269. US2003194793-A1.
                                                                                                                                                                    Novel human secreted and transmembrane US2003207367-A1.
                                                                                                                                                                                                                                                    ADH28718 standard; protein;
Human PRO polypeptide #269.
US2003022331-A1.
                                                                                                                                                                                                                                                                                                                            Novel human secreted and transmembrane US2003207429-A1.
                                                                                                                                                                                                                                                                                                                                                                                                              ADH12785 standard; protein; Novel human secreted and traUS2003207378-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel human secreted and tra
                  Human secreted/transmembrane US2004005553-A1.
                                                                                               US2003207369-A1.
                                                                                                 Novel human secreted and tra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US2003207366-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADG56519 standard; protein; 310 AA. Novel human secreted and transmembr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US2003207416-A1.
                                      ADH20735 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                           GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                            GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH ) GENENTECH INC
                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ocal Similarity
                                                                                                                                                                                                                                                                                   07+1-
-2003
) GENENTECH INC.
27.5%; 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  -2003.
-2003.
GENENTECH INC.
27.5%; 5
                                                                                                                                   GENENTECH INC.
h 27.5%;
Similarity 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENENTECH
 GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 INC.
27.5%;
y 32.8%;
                                      protein;
                                                                                                                                                                                                                                                                                                                                                                       27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    27.5%;
32.8%;
                                                        27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                27.5%;
                                                                                                        and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                        and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    and transmembrane protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          310
                                      310 AA
                                                                                                                 310 AA.
                                                                                                                                                                                                                                                                          310
                                                                                                                                                                                                                                                                                                                                                                                                                                 310 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       310 AA
                                                        Score
Pred.
                                                                                                                                   Score
Pred.
                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                            protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ₿
                                                                                                                                                                                                                                                                          ₿
                                                         424;
No. 7
                                                                                                                                                                                                                                                                                             424;
No.
                                                                                                                                                                                                                                                                                                                                                                        424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                424;
No. 7.
                                                                                                                                   424;
No. 7
                                                                                                                                                                                                                424; DB 8;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   424; DB 8;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         424; DB 8;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             424; DB 8;
No. 7.5e-23;
                                                                                                                                   ; DB 8;
7.5e-23;
                                                                                                                                                                                                                                                                                              7
                                                                                                                                                                                                                                                                                                                                            protein
                                                                                                                                                                                                                                                                                                                                                                                                                        protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             protein
                                                                                                        protein
                                                                                                                                                                                   protein
                                                                                                                                                                                                                                                                                             DB 8;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 8;
.5e-23;
                                                         . 5e
                                                                                                                                                                                                                                                                                                                                                                         . 5е
                                                         -23
                                                                                                        PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                         PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRO1868
                                                                                                                                                                                                                        Length
                                                                Length
                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                           Length
                                                                                                                                                                                                                         310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    310;
                                                                                                                                             310;
                                                                                                                                                                                                                                                                                                      310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           310;
```

```
Query Match
Best Local S
RESULT 779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local S
RESULT 777
                                                                                                                                                                                                                                                                                                                                                                                                                     Best L
RESULT 7
                                                                                                     Best Local Similarity RESULT 781
                                                                                                                                                                                    Query Match
Best Local Similarity
RESULT 780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 776
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local
                                                                                                                        Query Match
                                                                                                                                                                                                                              Human PRO polypeptide #269. US2003207361-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human PRO polypeptide #131.
US2003224984-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADH60135 standard; protein; Human secreted/transmembrane US2003215904-A1.
                                                                                                                                                     ADI18905 standard; protein; Human secreted/transmembrane US2003152999-A1.
                                                                       Human secreted/t
US2003148419-A1.
                                                                                ADI65625 standard; protein; i
Human secreted/transmembrane
                                                                                                                                                                                                                                                                                                                                                                                      Human secreted/transmembrane US2004005665-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human secreted/transmembrane US2004006211-A1.
ADI37884 standard; protein; 310 AA.
Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                                                                                                                                                                            ADH07163 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADH07590 standard; protein;
                                                                                                                                                                                                                                                                                                                                      (GURN/)
                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                      2003.
) GENENTECH INC.
27.5%; 5
                     48*...
2003.
) GENENTECH INC.
27.5*;
27.5*;
32.8*;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DESNOYERS L.
GODDARD A.
GODDWSKI P J.
GURNEY A L.
MATHER J P.
WILLIAMS P M.
WOOD W I.
                                                                                                                                                                                                                                                                                                               GURNEY A L.
MATHER J P.
WILLIAMS P M.
                                                                                                                                                                                                                                                                                                                                            DESNOYERS L.
GODDARD A.
GODOWSKI P J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                         GENENTECH INC.
                                                                                                                                                                                                                    GENENTECH
                                                                                                                                                                                                                                                                                 Similarity
                                                                                                                                                                                                                                                                                                      WOOD W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Similarity
                                                                                                                                                                                                       A INC.
27.
                                                                                                                                                                                                                                                                                                                                                                                                                              27.5%;
32.8%;
                                                                                                                                                                                              27.5%;
                                                                                                                                                                                                                                                                                27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               27.5%;
                                                                                            310
                                                                                                                                                                            310
                                                                                                                                                                                                                                                             310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           310
                                                                                                                                                                                                                                                                                                                                                                                                            310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            310 AA
                                                                                310 AA.
protein,
                               Score
Pred.
                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                              Score 424; DB 8; Pred. No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 424; DB 8;
Pred. No. 7.5e-23;
                                                                                                              Score 424; DB 8;
Pred. No. 7.5e-23;
                                                                                                                                                                 protein,
                                                                                                                                                                                                                                                                                 Score 424;
Pred. No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                 protein,
                                                                                                                                                                          8
                                424;
No. 7
                                                                                                                                                                                               424; DB 8;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                424; DB 8;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              424; DB 8;
No. 7.5e-23;
  #65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #65.
                                                                                                                                                                  #65.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #65.
                                                                                                                                                                                                                                                                                 DB 8;
.5e-23;
                                .5 g
                                -23;
                                       Length
                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                          310;
```

```
RESULT
ID ALL
ID HU
DE HU
PN US
PD 055
PD (C
PA (G
PA 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT
ID AL
DE Hu
PN US
PD 11
PA (6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 784
                                                                                                                                                                                                                                                                                                                           PA DE I
                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Loca
RESULT 789
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 785
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US200900...
15-UAN-2004.
(GETH ) GENENTECH INC.
(GETH ) 27.5%; {
27.5%; {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel human secreted and transmembrane US2004009547-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADG10070 standard; protein; 310 AA.

Novel human secreted and transmembrane protein
US2004009548-A1.
                                                                                                                                                                                                                                                                                                                                                                 ADI14873 standard; protein; 310 AA. Novel human secreted and transmembrane US2003207383-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADH97684 standard; protein; 310 AA.
Human secreted/transmembrane protei
US2003190610-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human secreted/transmembrane US2003148371-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADI15541 standard; protein; 310 AA.
Novel human secreted and transmembrane
                                                                                                                                                                                                                                 ADH60795 standard; protein; 310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human PRO1868 protein from DNA77624-2515
US2003228664-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADI66052 standard; protein; 310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US2003096340-A1
                                                                                                                                                                                 US2004023331-A1.
                                                                                                                                                                                                         Human secreted/transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADI10341 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 07-AUG-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US2003207382-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           L5-JAN-2004
                                                                                  GODD/) GODDARD A.
(GODO/) GODOWSKI P J.
                                                                                                                                                                                                                                                                                                                      GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity 788
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                           ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ocal Similarity
                     GURNEY A L.

MATHER J P.

WILLIAMS P M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENENTECH
                                                                                                                                                                                                                                                                         1 INC.
27.5%;
y 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27.5%;
                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 424;
Pred. No. 7.
                                                                                                                                                                                                       protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 424; DB 8;
Pred. No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 424;
Pred. No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    424; DB 8;
No. 7.5e-23;
                                                                                                                                                                                                                                                                           424; DB 8;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  424; DB 8;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #65.
                                                                                                                                                                                                                                                                                                                                                                                        protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            clone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 . 5e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   -8;
-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRO1868
                                                                                                                                                                                                                                                                                                                                                                                             PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          310;
```

```
Best Loca
RESULT 792
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local S
RESULT 791
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Loca
RESULT 794
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 793
PAPRED
                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 795
                                                                                                                                                                                                                                                                                                                Best Loc
RESULT 796
                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                    Query Match
                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                 ADM25386 standard; protein; 310 AA. Human secreted/transmembrane protein, US2003096233-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADI18468 standard; protein; 310 AA.
Novel human secreted and transmembrane
US2003207349-A1.
                ADL78564 standard; protein; 310 Albumin fusion protein related t US2004010134-A1.
                                                                                                   ADL78563 standard; protein; Albumin fusion protein relat US2004010134-A1.
                                                                                                                                                                                     ADM30136 standard; protein; 3
Human secreted/transmembrane
US2003190611-A1.
09-OCT-2003.
                                                                                                                                                                                                                                                                                ADJ63749 standard; protein; 310 AA. Novel human secreted and transmembrane US2004039164-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADI47177 standard; protein; 310 Human JAM-2 protein sequence. WO2004003145-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US2003186358-A1.
02-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADL09045 standard; protein; 310 AA. Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                                       26-FEB-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                          08-JAN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human secreted/transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US2003187238-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADJ99852 standard; protein;
                                                                               (ROSE/) ROSEN C A. (HASE/) HASELTINE W
                                                                                                                                                                                                                                                                                                                                                                                                                               (NAST-) NASTECH PHARM CO INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                          ocal Similarity
                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                           ocal Similarity
                                                                                                                                                                                                                                       ocal Similarity
                                                                                                                                                                                                                                                                                                                        ocal Similarity
                                                                                                                                                                                                                               3910-
2004.
) GENENTECH INC.
27.5%; (
27.5%; (
32.8%;
                                                                                                                                                                                                                                                                                                               9623.
-2003.
-2003.
-3003.
-3003.
-4+v 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   87230
-2003.
) GENENTECH INC.
27.5%; 9
1+0 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Similarity
                                                                                                                                                                            GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             inc.
27.5%;
y 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                           27.5%;
                                                                                                                                                       27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               27.5%;
                                                           32.
                                                                                                                          related therapeutic
                                                           . 55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          310 AA
                                                                                                                                     310 AA.
                                                                                                                                                                                                                     310 AA.
                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                           Score
Pred.
                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                       Score 424;
Pred. No. 7
                                                                                                                                                                                                          protein,
                            therapeutic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ā
                                      B
                                                           424;
No. 7
                                                                                                                                                                                                                                                                                                                           424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                424; DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                424;
No. 7.
                                                                                                                                                                                                                                        424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                            424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             424; DB 8;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            424; DB 8;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #65
                                                                                                                                                                                                           #65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein
                                                                                                                                                                                                                                                                                           protein
                                                                                                                                                        DB 8;
.5e-23;
                                                                                                                                                                                                                                        . 5e-
                                                                                                                                                                                                                                                                                                                           DB 8;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                            DB 8;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 8;
.5e-23;
                                                           . 5e-
                             protein
                                                                                                                          protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8;
-23;
                                                                                                                                                                                                                                        8;
-23;
                                                                                                                                                                                                                                                                                             PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRO1868
                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                    Length
                                                                                                                                                                 Length
                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                              ×
                                                                                                                          ×
                              SEQ
                                                                                                                          SEQ
                                                                                                                                                                                                                                                                                                                                     310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         310;
                                                                                                                           H
                              IJ
                               ö
                                                                                                                           ĕ
```

```
B B B B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 801
                                         RESULT 808
                                                                                                                                                                                                                                                                                    RESULT 805
                                                                                                                                                                                                                                                                                                                   PAPR
                                                                                                                                                                                                                                                                                                                                                                  RESULT 804
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 802
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 800
                                                                                                                      RESULT 807
                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 803
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                 Best Local Similarity
                                                                                                                                                                                                                                                                                                         Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                         Query Match
                                                                                                                       US20040...
11-MAR-2004.
(GETH ) GENENTECH INC.
(GETH ) 27.5%; f
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US2004.
26-FEB-2004.
(GETH ) GENENTECH INC.
27.5%; (
Match 27.5%; (
27.5%; (
                                                                                                                                                         Human PRO polypeptide #269.
11-MAR-2004
                                                                                                                                                                                                                                                                                                                              Human protein encoded by a f EP1396543-A2.
                                                                                 Human PRO polypeptide #269.
US2004058424-Al.
25-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human PRO polypeptide #269.
US200403836-A1.
ADO06458 standard; protein;
Human PRO polypeptide #60.
US6686451-B1.
03-FEB-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                    ADJ65766 standard; protein;
Human PRO polypeptide #269.
US2004038335-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADK83040 standard; protein;
Human PRO polypeptide #131.
US2004043927-A1.
                                                                                                                                                                                                                                                      ADL32018 standard; protein; 310 AA. Human protein encoded by a full length EP1396543-A2.
                                                                                                                                                                                                                                                                                                             10-MAR-2004.
(REAS-) RES ASSOC BIOTECHNOLOGY.
                                                                                                                                                                                                                                                                                                                                                                          (GETH) GENENTECH INC.

ry Match 27.5%;
t Local Similarity 32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           04-MAR-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADL78565 standard; protein; 310 AA. Albumin fusion protein related therapeutic US2004010134-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (HASE/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (ROSE/) ROSEN C A.
(HASE/) HASELTINE W A.
                                                                     GETH ) GENENTECH
                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                         Match
                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                          Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                          ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Match
                                                                                                                                                                                                              RES ASSOC BIOTECHNOLOGY.
h 27.5%; Score
Similarity 32.8%; Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HASELTINE
                                                1 INC.
27.5%;
cy 32.8%;
                                                                                                                                                                                                                                                                                             27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                               ; 310 AA.
full length
                              310
                                                                                                                                                                                                                                                                                                                                                                                                                                        310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      310
                                                                                                            310
                                                                                                                                                                                            310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       310 AA
                                                                                                                                                                                                                                                                                              Score
Pred.
                                                 Score
Pred.
                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                        ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ጅ
                                                 424;
No. 7.
                                                                                                                                                                                                               424;
No.
                                                                                                                                                                                                                                                                                               424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            424;
No. 7.
                                                                                                                                424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                              424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          424; DB 8;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         424; DB 8;
No. 7.5e-23;
                                                                                                                                                                                                               ; DB 8;
7.5e-23;
                                                                                                                                                                                                                                                                                                                                               CDNA
                                                                                                                                                                                                                                                               cDNA clone
                                                  DB 8;
.5e-23;
                                                                                                                               DB 8;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                              DB 8;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 8;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 8;
.5e-23;
                                                                                                                                                                                                                                                                                              . 5e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    protein
                                                                                                                                                                                                                                                                                                                                                clone
                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                         Length
                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                               SeqID 4051.
                                                                                                                                                                                                                                                                                                                                                SeqID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ×
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ
                                                                                                                                         310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     310;
                                                                                                                                                                                                                                                                                                                                                                                       310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ħ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ĕ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2047
```

```
Best Local Similarity RESULT 816
                                                                                                                                                                                                 Best Loca
RESULT 815
                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
RESULT 814
                                                                                                                                                                                                                                                                                                                                                                    Best Loc
RESULT 813
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity RESULT 812
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Loc
RESULT 811
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 809
                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC. 27.5%; (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US2001
22-APR-2004.
(GETH ) GENENTECH INC.
(GETH ) 27.5%;
Match 27.5%;
27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADP69035 standard; protein;
Human NOV2f protein SEQ ID N
WO2004055158-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human PRO polypeptide #269. US2004077064-A1. 22-APR-2004
                                                                                                                                                                 ADR11310 standard; protein; Human secreted/transmembrane US2004137561-A1.
                                                                                                                                                                                                                                                                                                                                                                                                 01-JUL-2004.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-JUL-2004.
(CURA-) CURAGEN CORP.
                                                                               Human secreted/transmembrane US2004147017-A1.
                                                                                                                                                                                                                              01-JUL-2004.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                            01-JUL-2004.
                                                                                                                                                                                                                                                                                                                                     Human NOV2e protein WO2004055158-A2.
                                                                                                                                                                                                                                                                                                                                               ADP69033 standard; protein;
Human NOV2e protein SEQ ID 1
                                                                                                                                                                                                                                                                                                                                                                                                                                 ADP69025 standard; protein;
Human NOV2a protein SEQ ID N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADP69027 standard; protein; 310 AA.
Human NOV2b protein SEQ ID NO:22.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human PRO1868 protein. WO2004031105-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADN35310 standard;
                                                                                                     ADR18219 standard; protein; 310 AA
                                                                                                                                              (GETH
                                                                                                                                                                                                                                                                                                                  (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                       WO2004055158-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO2004055158-A2.
                                                   (BOTS/)
                                         DESN/)
                                                             ASHK/)
                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                          ocal Similarity
        ASHKENAZI A.
BOTSTEIN D.
DESNOYERS L.
EATON D L.
FERRARA N.
FILVAROFF E.
                                                                                                                                             GENENTECH INC.
 FONG
ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein;
                                                                                                                         27.5%;
                                                                                                                                                                                                          27.5%;
32.8%;
                                                                                                                                                                                                                                                                                            27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                              27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              27.5%;
                                                                                                                                                                                                                                                              1; 310 AA.
10:30.
                                                                                                                                                                                                                                                                                                                                                1; 310 AA.
NO:28.
                                                                                                                                                                                                                                                                                                                                                                                                                                 1; 310 AA.
1 NO:20.
                                                                                                                                                                                       310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                310
                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                           protein,
                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                           protein,
                                                                                                                                                                                       8
                                                                                                                                                                                                            No. 7.
                                                                                                                                                                                                                                                                                             424;
No.
                                                                                                                         424; DB 8;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                               424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               424; DB 8;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   424; DB 8;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     424;
No. 7
                                                                                                                                                                                                            .5e
                                                                                                                                                                                                                                                                                             DB 8;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 8;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                               DB 8;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .5e
                                                                                                                                                                                                            -8;
-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  23,
                                                                                                                                    Length
                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
```

GERBER H.

3

```
92
92
92
93
93
93
93
93
93
93
93
                                                             Query Match
Best Local Similarity
RESULT 820
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
RESULT 817
                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                       US2U000
24-APR-2003.
(GETH) GENENTECH INC.
27.5%; (
MATCh 27.5%; (
32.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (PAON) PAONI N F.
(ROYM) ROY M A.
(STEW) STEWART T A.
(TUMA) TUWAS D M.
(WILL) WILLIAMS P M.
(WOOD) WOOD W I.
                                                                                                                                                                                                                                                     (ASHK/) ASHKENAZI A.
(BOTS/) BOTSTEIN D.
(DESN/) DESNOYERS L.
(EATO/) EATON D L.
(FERR/) FERRARA N.
(FILV/) FILMAROFF E.
                         ADS32474 standard; protein; 310 AA.
Novel human secreted and transmembrane
US2004203125-A1.
                                                                                                                                                                                                                                                                                                                                                                                                   ADI96522 standard; protein; 310 AA. Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                    Human secreted/transmembrane protein US2004185531-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human PRO polypeptide
US2003077659-A1.
                                                                                                                                                                                                                                                                                                                                                                                 US2003207354-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADI95970 standard;
                (GETH ) GENENTECH INC
                                                                                       (WOOD/) WOOD W I.
                                                                                                                                                                                                                                                                                                                                      ADS74858 standard; protein; 310 AA
                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                  Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GERRITSEN M E.
GODDARD A.
GODOWSKI P J.
GRIMALDI C J.
GURNEY A L.
HILLAN K J.
KLJAVIN I J.
                                                                                                                                                            GURNEY A L.
HILLAN K J.
KLJAVIN I J.
                                                                                                                          PAONI N F.
                                                                                                                                                    KLJAVIN I
MATHER J E
Similarity
                                                                                                                                                                                                                  GERBER H.
GERRITSEN M E.
                                                                                                                                                                                                                                      GAO
                                                                                                 WILLIAMS P M.
                                                                                                         STEWART T A.
TUMAS D.
                                                                                                                                                                                        GODOWSKI P J. GRIMALDI C J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PAN
                                                                                                                                              PAN
                                                                                                                                                                                                                                               FONG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MATHER J P.
                                                                                                                                                                                                          GODDARD A.
                                                                                                                                                                                                                                              ŝ
                                                                                                                                                      ש
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein;
ide #269.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27.5%;
32.8%;
27.5%;
32.8%;
                                                                      27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                       27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  310
Score
Pred.
                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                            Score 424; DB 8;
Pred. No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 424; DB 8;
Pred. No. 7.5e-23;
                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ₹
                                                                      424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                        424;
No. 7.
424; DB 8;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                   protein
                                             protein
                                                                      . 5e
                                                                                                                                                                                                                                                                                                                                                         DB 8;
.5e-23;
                                                                      8;
-23;
                                                                                                                                                                                                                                                                                                                                                                                                     PRO1868
                                             PR01868
                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 310;
        Length 310;
                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 310;
                                                                             Length
```

```
Best Local Similarity
RESULT 825
ID AEB14255 standard; p.
DE Cancer cell diagnosi.
PN US2005153396-A1.
PD 14-JUL-2005.
PA (BERE/) BERESINI M.
PA (DESPO/) DEFORGE L.
PA (DESVA/) FILVAROFF E.
PA (GADWA/) GAO W.
PA (GADWA/) GAO W.
PA (GODD/) GODDARD A.
PA (GODD/) GODDARD A.
PA (GODN/) GODDARD A.
PA (GONA/) GONOWSKI P J
PA (GURN/) GURNEY A L.
PA (STEWA/) STEWART T A.
PA (STEWA/) STEWART T A.
PA (WATA/) WATANABB C K
PA (WOOD/) WATANABB C K
PA (WOOD/) WATANABB C K
                                                                                                             Best Loca
RESULT 827
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 822
             Best Loca
RESULT 828
                                                                                                                                                                                                               Query Mat
Best Loca
RESULT 826
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 824
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 823
                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AEA38133 standard; protein; Human secreted/transmembrane US2005112725-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADT03895 standard; protein; 310
Human secreted/transmembrane pro
US2003152922-A1.
14-AUG-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADT03458 standard; protein; 310
Human PRO polypeptide #269.
US2004214269-A1.
28-OCT-2004.
                                                                         AAB38384 standard; protein; 311 AA. Human secreted protein encoded by g WO200061623-A1.
                                                                                                                                                                         AAB38383 standard; protein; 311 AA. Human secreted protein encoded by g W0200061623-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AEB14255 standard; protein; 310 AA. Cancer cell diagnosis method-related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human secreted/transmembrane US2005074837-A1.
AAB38333 standard; protein; 311 AA.
                                                  19-OCT-2000
(HUMA-) HUM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        07-APR-2005
                                                                                                                                                                                                                                                    (ZHAN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADZ03509 standard; protein; 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH )
                                                                                                                                                   (HUMA-) HUMAN GENOME SCI INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26-MAY-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH )
                                                                                                                                                                                                                           Local Similarity
                        Local Similarity
                                                                                                                            ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -2005.
) GENENTECH INC.
27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2003.
) GENENTECH INC.
27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1420-
-2004.
) GENENTECH INC.
27.5%; 5
                                                                                                                                                                                                                                                              TUMAS D.
) WATANABE C K.
) WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                                                      BAKER K P.
BERESINI M.
DEFORGE L.
DESNOYERS L.
FILVAROFF E.
                                                                                                                                                                                                                                                                                                                         GODDARD A.
GODOWSKI P J.
GURNEY A L.
SHERWOOD S.
                                                 HUMAN
                                                                                                                                                                                                                                                     ZHANG Z.
                                                                                                                                                                                                                                                                                                   SMITH V.
STEWART T A.
                                                                                                                                                                                                                                                                                                                                                                               GAO W.
GERRITSEN M E.
                                                 GENOME
                       32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27.5%;
                                                                                                                          27.5%;
32.8%;
                                                                                                                                                                                                                            27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             310 AA.
protein,
                                                                                                                            Score
Pred.
                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 424; DB 9;
Pred. No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRO1868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 424; DB 8;
Pred. No. 7.5e-23;
                                     Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  B
                                                                                      ' gene
                          3 424;
"^ 7
                                                                                                                                                                                         gene
                                                                                                                            424;
No. 7
                                                                                                                                                                                                                              424;
No. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     424;
No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               human protein -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #65.
                                                                                       13
                                                                                                                                                                                         13
                                                                                                                                                                                                                              DB 9;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 9;
.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 8;
.5e-23;
                           .se-
                                                                                                                            .5e-
                                                                                       clone
                                                                                                                                                                                         clone
                                                                                                                             -23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                         HAPSA79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                    Length
                                                                                        HAPSA79
                                                                                                                                       Length 311;
                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 310;
```

```
Best Loc
RESULT 830
                    RESULT
                                                                                                                                                                                      RESULT 835
                                                                                                     RESULT 836
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 831
                                                                                                                         Query Match
                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                              Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human ovarian antigen HISAF60, SEQ WO200200677-A1.
                                                                                                                                              Human confluency regulated & WO200053749-A2.
                                                                                                                                                                                                                                                                                                                                                                                                 Human junction adhesion molecule 3 WO2004053058-A2.
                                                                                                                                                                                                                                       AAB27278 standard;
Murine confluency 1
WO200053749-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAB80431 standard; I
Gene #13 associated
WO200107459-A1.
                                                                                Human F11-adhesion
                                                                                                                                 14-SEP-2000.
(RMFD-) RMF DICTAGENE
                                                                                                                                                                                                                                                                                                                         Human EST encoded protein SEQ ID NO: WO200154477-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human IGFAM-6 immunoglobulin.
WO200029583-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-FEB-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19-OCT-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human secreted protein encoded WO200061623-A1.
                                                                        US6699688-B1.
                                                                                           ADK40850 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY96294 standard; protein; 310 AA
                                                                                                                                                                                                                                                                                                                                              AAM23693 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (HUMA-) HUMAN GENOME
                                                                                                                                                                                                                                                                                                                                                                                      ELIL ) LILLY & CO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (HUMA-) HUMAN GENOME
                                                                                                                                                                                                                    RMFD-) RMF DICTAGENE
                                                                                                                                                                                                                                                                                                     HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INCY-) INCYTE PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HUMA-) HUMAN GENOME
                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ocal Similarity
                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                 ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                  ocal Similarity
                              UNIV NEW YORK STATE RES FOUND.

ch 26.7%; Score 412

l Similarity 100.0%; Pred. No
standard; protein;
C2-type Ig domain
                                                                                                                                                                                                                                                i; protein; 
regulated
                                                                                                                                                                                                                                                                                                                                                                ELI.
27.1%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     peptide;
                                                                                peptide;
molecule
                                                                                                            NE SA.
26.9%;
33.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27.5%; 1
32.8%; 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SCI INC.
27.5%;
32.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  27.1%;
32.8%;
                                                                                                                                                                                              26.9%;
33.8%;
                                                                                                                                                                                                                                                                                26.9%;
                                                                                                                                                                                                                    SA.
                                                                                                                                                                 adhesion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
 76 AA.
                                                                                                                                                                                                                                                  310 AA.
adhesion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       339 AA.
                                                                                76 AA.
(FAM)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                              Score
Pred.
                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                               Score 415.5; DB Pred. No. 3e-22;
                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 419;
Pred. No. 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        by gene 13 clone HAPSA79.
                                                                                conserved
                                                                                                               415;
No. 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    424;
No. 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    424;
No. 8
                               412;
. No.
                                                                                                                                                                                              415;
No. 3.
                                                                                                                                                                                                                                                                                                                                                                 419;
No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     424; DB 3;
No. 7.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                   (huJAM3) full-length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ħ
                                                                                                                                                                 molecule
                                                                                                                                                                                                                                                                                                                                    1218.
                                                                                                                                                                                                                                                   molecule
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NO:3034
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8.3e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; DB 5;
8e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   щ
                               DB 8; 1
1.1e-22;
                                                                                                               DB 3;
.4e-22;
                                                                                                                                                                                              DB 3;
.4e-22;
                                                                                                                                                                                                                                                                                                                                                                  DB 8;
.7e-22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 3;
.7e-22;
                                                                                region
                                                                                                                                                                 μ
                                                                                                                                                                                                                                                                                          4
                                                                                                                                                                 #
                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                          Length 303;
                                                                                #
                                                                                                                         310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             310;
                                                                                                                                                                                                                                                                                                                                                                                                                   protein.
```

```
Query Match
Best Local Similarity
RESULT 845
                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
RESULT 843
                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
RESULT 842
                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 841
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Loca
RESULT 840
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Loc
RESULT 839
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 838
                                                                                                                                                                   Best Local Similarity RESULT 844
                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                      MO951----
25-MAR-1999.
(GETH ) GENENTECH INC.
26.2%; 
Match 25.2%; 
35.2%;
                                                                                                                                                                                                                                                    WO991**--
25-MAR-1999.
(GETH) GENENTECH INC.
26.2%; (
4***ch '****ity 35.2%;
                                                                                                                                                                                                                                                                                        Human PRO245 F
WO9914241-A2.
25-MAR-1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (KORN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (UYNY ) UNIV NEW YORK STATE | 2cry Match 26.5%; st Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                              AAY23324 standard; protein;
A33 related antigen PRO245.
WO9927098-A2.
                                                                   AAY70668 standard; protein;
Human PRO245 protein.
                                                                                                                                                 AAB33421 standard;
Human PRO245 prote:
                                                                                                                                                                                                                                        AAY13354 standard;
                                                                                                                                                                                                                                                                                                                      AAY08060 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADU66692 standard; protein;
Human FAM C2-type Ig domain
US2004235768-A1.
25-NOV-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US6699688-B1.
02-MAR-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADK40852 standard; peptide;
Human F11-adhesion molecule
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (HUMA-) HUMAN GENOME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human secreted protein WO200056754-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US2004235768-A1.
25-NOV-2004.
AAB24401 standard; protein;
                                        (GETH
                                                                                                                                       Human PRO245 pr
WO200053758-A2.
                                                                                                                                                                                                                    Amino acid se
WO9914328-A2.
                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                        (ѕово/) ѕовоска м в.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAB39254 standard; protein; 285
                                                          WO200015797-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                       J5375b...

JP-2000.

H) GENENTECH INC.

26.2%;

-4+v 35.2%;
                                       ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            KORNECKI E.
SOBOCKA M B.
                    Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                    KORNECKI E
                                                                                                                                                                                                                              sequence
                                                                                                                                              ndard; protein;
protein UNQ219
                                                                                                                                                                                                                                                                                                           protein.
                                                                                                                                                                                                                                         protein;
                                                                                                                                                                                                                                                                                                                     protein;
                                                                                                                                                                                                                            protein; 312 AA.
of protein PRO245.
                                                                                                                                                                                                                                                                                                                                                                                                                      26.5%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SCI INC.
26.7%;
33.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        26.7%;
                   35.
                                                                                                                                                                                                                                                                                                                                         35.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           sequence
                                                                                                                                                                                                                                                                                                                                         .24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SCOTE 409;
  312
                                                                              312
                                                                                                                                               312
SEQ
                                                                                                                                                                                                                                                                                                                                                                                                    312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 76 AA.
#2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              76 AA.
(FAM)
                                                                                                                                                                                                                                                                                                                      312
                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score .
                                                                                                                                                                             Score
Pred.
                   Score
Pred.
                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AA.
encoded
                                                                                                                                                58
                                                                              ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              conserved
                    No. 2.
                                                                                                                                                                                                                                                            No. 2.2e-
                                                                                                                                                                              404;
No. 2.
                                                                                                                                                                                                                                                                                                                                          404;
No. 2.
                                                                                                 404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                       409;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           412;
No. 5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         412;
. No.
                                                                                                                                                 NO:36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 8;
1.8e-22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 8;
1.1e-22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           λq
                                                                                                  DB 3;
.2e-21;
                                                                                                                                                                              DB 2;
.2e-21;
                                                                                                                                                                                                                                                                                                                                          DB 2;
.2e-21;
                    DB 3;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                       DB 8;
1.8e-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            le.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           gene
                                                                                                                                                                                                                                                            -21;
                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                          Length
                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ħ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NO:134
```

```
RESULT 851
ID AAB530
DE Human
PN WO2000
PD 14-SEI
PA (GETH
                                                                                                                                      Best
RESULT
ID AB
DE No
PN US
PD 13
PD 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT
ID AA
DE Hui
PN WO
PD 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT
                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local :
                                                                                                                                                                                                                                                                              MO2000-14-SEP-2000.

(GETH ) GENENTECH INC.

26.2%; 

March

13-1ty 35.2%;
                                                                                                                                                                                                                                      Human PRO polypeptide #11.
US2002146709-A1.
                                                                       ABU71455 standard; protein;
Human PRO polypeptide #11.
US2002192659-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human PRO245 protein, WO200104211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADC78384 standard;
Human PRO245 protei
WO200015796-A2.
                                                                                                                                                          ABO17783 standard; protein; 312 AA. Novel human secreted and transmembr US2003032156-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                AAU12339 standard;
Human PRO245 polype
WO200140466-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO245 protein sequence WO200032221-A2.
                                                                                                                                                                                                                                                                                                                               Human angiogenesis-associated WO200053753-A2.
ABU81037 standard; protein;
Human PRO polypeptide #168.
                                                                                                                 (GETH ) GENENTECH INC.
ry Match 26.2%;
Local Similarity 35.2%;
                                                                                                                                                                                                                                                                                                                                                     AAB53081 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200119991-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human immune
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAU00821 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH INC. 26.2%; ry Match 26.2%; Local Similarity 35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO200104311-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH
                                                                                                                                                   3-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                              GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GETH ) GENENTECH INC.
                                                                                                                                                                                           Local Similarity
853
                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                              ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                           ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Match
                                                                                                                                                                                                                        GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                        naard; protein;
polypeptide seq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             response protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein
                                                                                                                                                                                                                                                                                                                                                                      1 INC.
26.2%;
y 35.2%;
                                                                                                                                                                                                                                                                                                                                                     protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          26.2%;
35.2%;
                              26.2%;
35.2%;
                                                                                                                                                                                                   26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                           in; 312 AA.
sequence.
                                                                                                                                                                      transmembrane
           312
                                                                                             312
                                                                                                                                                                                                                                                                  312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               312
                                                                                                                                                                                                                                                                                                                                                     312 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          312 AA
                              Score
Pred.
                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                         protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRO245 (UNQ219).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQ
                                                                                             ₹
                                                                                                                                                                                                                                                                  Ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ij
                                 404;
No. :
                                                                                                                                                                                                                                                                                                                                                                                                                                                           404;
No. 2.
                                                                                                                                                                                                     404;
No. 2.
                                                                                                                                                                                                                                                                                      404; DB 4;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                          404; DB 4;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                404; DB 3;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  404; DB 3;
No. 2.2e-21;
                                                                                                                  404; DB 6;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             404; DB 4;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                          PRO245,
                                 2.2e-
                                                                                                                                                                     protein
                                                                                                                                                                                                     DB 6;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 4;
.2e-21;
                                 -6;
-21;
                                                                                                                                                                                                                                                                                                                                          SEQ
                                        Length
                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                Length 312;
                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                          ij
                                                                                                                                                                                                                                                                                                                                            NO:91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              312;
```

```
Query Match
Best Local Similarity
RESULT 864
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
RESULT 856
                                                                                                                                                                                                  Best Local Similarity RESULT 862
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 859
                                                                                                                Best Local Similarity RESULT 863
                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 861
                                                                                                                                                                                                                                                                                                                                                                      RESULT 860
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Loc
RESULT 858
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 857
                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human PRO polypeptide #168. US2003036180-A1. 20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel human secreted and tra
US2002197671-Al.
ABU67355 standard; protein; 312 Human secreted protein PRO245. US2003023054-A1.
                                                                                          ABU64509 standard; protein; :
                                                                                                                                                                             ABO25008 standard; protein; 312 AA. Human secreted/transmembrane protein
                                                                                                                                                                                                                                                                                                                                      ABO47372 standard; protein; Human secreted/transmembrane US2003044839-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                         Human secreted/transmembrane US2002132240-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABU71901 standard; protein; 3
Human secreted/transmembrane
US2003003530-A1.
02-JAN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       02-JAN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US2003004311-A1.
                                                                                                                                                           US2003036179-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                      Novel secreted and US2003017563-A1.
                                                                                                                                                                                                                                                                                                                              06-MAR-2003
                                                                                   US2002160374-A1.
                                                                                                                                                                                                                                                                          ABU59818 standard;
                                                                                                                                                                                                                                                                                                                    (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                 19-SEP-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                             ABU54357 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
                                                              (GETH )
                                                                                                                                                                                                                                            23-JAN-2003
                                                                                                                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC.
                                                                                                                                                 (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ocal Similarity
                                                                                                                                                                                                  1756.
-2003.
) GENENTECH INC.
26.2%; 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0352
2003.
) GENENTECH INC.
26.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENENTECH INC.
h 26.
Similarity 35.
                                                             GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENENTECH INC.
                                                                                                                                                                                                                                                                                                                    GENENTECH
                                                                                                                                                                                                                                                                                           H INC.
26.2%;
ty 35.2%;
                                                                                                                                                                                                                                                               transmembrane protein PRO245
                                                                                                                                                                                                                                                                         protein;
                                                                                                                                                                                                                                                                                                                                                                                26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   26.2%;
35.2%;
                                        26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26.2%;
35.2%;
                                                                                                                           26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                              312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  312
                                                                                                       312 AA.
                                                                                                                                                                                                                                                                                                                                                 312 AA.
e polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                312
                                                                                                                                                                                                                                                                          312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    312 AA.
                                         Score
Pred.
                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                           protein,
                                                                                                                            Score
Pred.
                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                   protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ጅ
                                         404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        404;
No. 2.
                                                                                                                            404;
No. 2
                                                                                                                                                                                                            404; DB 6;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                               404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                 404; DB 6;
No. 2.2e-21;
                                                                                                                                                                                (PRO)
                                                                                                                                                                                                                                                                                                                                                                                                                                      PRO245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRO245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       protein
                                                                                                                            DB 6;
.2e-21;
                                                                                                                                                                                                                                                                                               DB 6;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 6;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 6;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 6;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB
2e
                                                                                                                                                                                                                                                                                                                                                   PRO245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6;
-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRO245
                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                     Length
                                                    Length
                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   312;
                                                                                                                                        312;
                                                                                                                                                                                                                         312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 312;
```

```
Query Match
Best Local Similarity
RESULT 873
                                                                                                                 Best Loca
RESULT 872
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 865
                                                                                                                                                                                                                                                                                                                                                            RESULT 869
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 867
                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 868
                                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                              US20030.
23-JAN-2003.
(GETH ) GENENTECH INC.
26.2%; (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US2002...
05-DEC-2002.
(GETH ) GENENTECH INC.
GENENTECH 26.2%; (
                                                                                                                                                   Human PRO polypeptide #168. US2003073212-A1. 17-APR-2003.
                                                                                                                                                                                                                                        Novel human secreted and transmembrane US2003022328-A1.
Human PRO polypeptide #168. US2003054517-A1.
                                                                                                                                                                                                                                                                                                                                                                                                         ABU69632 standard; protein; 312 AA.
Novel human secreted and transmembrane
US2003017463-A1.
                                                                                   Human secreted/transmembrane US2003092002-A1.
                                                                                                        ADB29269 standard;
                                                                                                                                                                                                                                                                                                                            ABO14814 standard; protein; 312 AA. Human secreted / transmembrane polypeptide US2003027143-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human secreted/transmembrane, US2003032155-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABU67013 standard; protein; 312 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABU07738 standard;
Human A-33 related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human secreted /
US2003036060-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABO14875 standard;
                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC
                                                                (GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH INC.
                                                                                                                                                                                                        ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                   ocal Similarity
                                                                                                                                                                                                                                                                                       ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENENTECH
                                                                                                                                                                                                                          GENENTECH INC.
                                     H INC.
26.1
35.2*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             d; protein; 312 AA.
transmembrane polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             inc.
26.2%;
y 35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein; 312 AA. antigen PRO245.
                                                                                                        protein;
                                                                                                                                                                                                        26.2%;
                                                                                                                          26.2%;
35.2%;
                                                                                                                                                                                                                                                                                      26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               26.2%;
35.2%;
                          312
                                                                                                       312 AA
                                                                                                                                                                                      312 AA
                                            Score
Pred.
                                                                                                                          Score
Pred.
                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                            protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 404; DB 6;
Pred. No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRO,
                                                                                                                          404;
No. 2.
                                                                                                                                                                                                         404;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               404;
No. 2.
                                             404;
No. 2
                                                                                                                                                                                                                                                                                        404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                      404;
No. 2.
                                                                                                                                                                                                         N
                                                                                                                                                                                                                                                          protein
                                                                                                                                                                                                                                                                                                                                                                                                                     protein
                                                                                                                                                                                                         DB 6;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                      DB 6;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 6;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 6;
.2e-21;
                                             DB 6;
.2e-21;
                                                                                                                          . 2e
                                                                                                                                                                                                                                                                                       .2e
                                                                                                                                                                                                                                                                                                                                                                                                                                                   . 2e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ
                                                                                                                            -6;
-21;
                                                                                                                                                                                                                                                                                        6;
-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                     Length
                                                                                                                                    Length
                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                 312;
                                                                                                                                                                                                                                                                                                                                                                                312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        312;
```

```
Best Local Similarity
RESULT 882
ID ADA67509 standard; p
DE Human PRO polypeptid
PN US2003068795-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local S
RESULT 874
                                                                                                                  Best Local Similarity RESULT 881
                                                                                                                                                                                             Best Local Similarity RESULT 880
                                                                                                                                                                                                                                                                                                                                                   Best Loc
RESULT 878
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 876
                                                          Query Match
                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                  US200000
01-MAY-2003.
(GETH) GENENTECH INC.
(GETH) 26.2%;
March 26.2%;
                                                                                                                                                                                                                                                                            US200000

OB-MAY-2003.

(GETH ) GENENTECH INC.

26.2%; (

Moreth 2014 35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human PRO polypeptide #168. US2003068795-A1. 10-APR-2003.
                                                                            ABO32766 standard; protein; 3
Human secreted/transmembrane
US2003045693-A1.
06-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                  ADA86364 standard; protein; Novel human secreted and traUS2003082711-A1.
                                                                                                                                                                Human secreted/transmembrane US2003039971-A1.
                                                                                                                                                                                                                                                                                                                       ADB15928 standard; protein;
Human PRO polypeptide #168.
US2003087350-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADB27885 standard; protein;
Human PRO polypeptide #168.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel human secreted and tra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
US2003049816-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH INC.
                                                                                                                                                                                    ADA18125 standard;
                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                    ADA47714 standard; protein;
Human PRO polypeptide #168.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US2003068796-A1.
                                                                   (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ) GENENTECH INC
                                                                                                                                              GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Similarity
                                                                                                                                                                                   protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26.2%;
35.2%;
                                                                                                                           26.2%;
                                                                                                                                                                                                     26.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  26.2%;
35.2%;
                                                 35
                                                                                                                                                                                                                                                                                                                                                             26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                            transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      312
                               312
                                                                                                                                                                                                                                                                312
                                                                                                                                                                                                                                                                                                                                           312
                                                                                                          312 AA
                                                                                                                                                                                     312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                     312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           312 AA
                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                  Score
Pred.
                                                                                                                            Score
Pred.
                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                               protein
                                                                                                                                                                          protein,
                                                                                                                                                                                                                                                                                   No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         404;
No. 2.
                                                  404;
No. 2
                                                                                                                            404;
No. 2.
                                                                                                                                                                                                       404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                             404;
No. :
                                                                                                                                                                                                                                                                                                                                                                                                                                        404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              404; DB 6;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                   ; DB
2.2e-
                                                                                                                                                                                                                                                                                                                                                              N
                                                                                                                                                                                                                                                                                                                                                                                                            protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein
                                                  .2e-
                                                                                                                             DB 6;
.2e-21;
                                                                                                                                                                                                       .2e-
                                                                                                                                                                                                                                                                                                                                                              DB
.2e
                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 6;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    . 2e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 6;
.2e-21;
                                                                                                                                                                                                                                                                                    -21;
6;
                                                                                                                                                                                                                                                                                                                                                              -6;
-21;
                                                  .
21,
                                                                                                                                                                                                       -21,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ည် <u>၈</u>
                                                                                                                                                                                                                                                                                          Length
                                                         Length
                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
```

```
Best Loca
RESULT 891
                                                                                                                                                                                                                                                                                                                                                                                                     Best Loca
RESULT 886
ID ADA793;
DE Human DE US2003
PD 01-MAY
                                                                                                                                                                                                                                          RESULT 888
ID ADB166
DE Human
PN US2003
PD 08-MAY
PA (GETH
                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
RESULT 887
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 884
ID ADA858
               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local
                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                         Human PRO polypeptide #11.
US2003044793-A1.
06-MAR-2003.
(GETH ) GENENTECH INC.
uery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    USZUCZZ

01-MAY-2003.

(GETH ) GENENTECH INC.

26.2%; /

MARICH 26.2%; /
                                                                                                                                                                                                                                                     Human PRO polypeptide #168. US2003087349-A1.
                                                                                                                                                                                                                                                                                                                              Novel human secreted and transmembrane US2003087345-A1.
                                                                                                                                                                                                                                                                                                                                                                                                 Human PRO polypeptide #168.
01-MAY-2003.
                                ADA91761 standard;
Novel human secrete
US2003082694-A1.
                                                                                                         ADA16100 standard; protein; 3 Human secreted/transmembrane US2003049621-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AUAY/024 standard; protein;
Human PRO polypeptide #168.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US2003082705-A1.
01-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADB30516 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel human secreted and transmembrane US2003082693-A1.
                                                                                       (GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADA85812 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                 GETH ) GENENTECH INC.
                                                                    Local Similarity
                                                                                                                                              Local Similarity
                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
      Match
                                                                                                                                                                                                                                                                                                 ocal Similarity
                                                                                                                                                                                                                                                                                                            Match
                                                                                                                                                                                                               873-
-2003.
) GENENTECH INC.
26.2%;
-1-v 35.2%;
               GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                standard; protein;
polypeptide #168.
                                         andard; protein; 312 AA. secreted and transmembrane
I INC.
26.2%;
                                                                    I INC.
26.2%;
y 35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein; 312 AA
                                                                                                                                              26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                         26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                 26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         312
                                                                                                                             312
                                                                                                                                                                                                                                                                               312
                                                                                                                                                                                                                                                                                                                                                                                                                                 312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            312
                                                                                                                                                                                                      312 AA
                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                     Score
Pred.
                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                 Score
Pred.
      Score
                                                                                                                   protein,
                                                                                                                             ₹
                                                                                                                                                                                                                                                                               ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                 ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ₹
                                                                                                                                               404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                          404;
No. 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                  404;
No. 2.
     404;
                                                                     404;
No. 2.
                                                                                                                                                                                                                                                                                                 404;
No. 2.
                                                                                                                                                                                                                       404; DB 6;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           404; DB 6;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              404; DB 6;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     404; DB 6;
No. 2.2e-21;
                                                                                                                     #13.
                                                                                                                                                                                                                                                                                                                                                                          2.2e-21;
                                          protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein
                                                                                                                                                                                                                                                                                                                                               protein
                                                                      .2e
                                                                                                                                               DB 6;
.2e-21;
                                                                                                                                                                                                                                                                                                 . 2e
                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 6;
.2e-21;
     В
                                                                      -21
21
                                                                                                                                                                                                                                                                                                 6;
-21;
     6;
                                           PRO245
                                                                                                                                                                                                                                                                                                                                               PRO245
                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 312;
     Length
                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                              Length
                                                                                                                                                        Length
                                                                                                                                                                                                                                Length
      312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                312;
```

```
RESULT
ID AL
DE HU
PN US
PD 08
                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 896
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 895
                                                                                                                                                  Best Local Similarity RESULT 899
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 894
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 893
                                                                       Best Local Similarity RESULT 900
                                                                                                                                                                                                                           Best Local Similarity
RESULT 898
                                                                                                                                                                                                                                                                                                    TIUSES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
                                                                                          Query Match
                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                     Human PRO polypeptide SEQ ID US2003077713-A1.
                                                                                                                                                                                  Human PRO polypeptide #168.
US2003068798-A1.
10-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human PRO polypeptide #168. US2003087351-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                          ADB19896 standard; protein; 312 AA. Novel human secreted and transmembrane US2003082691-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human PRO polypeptide #168. US2003077722-A1. 24-App-2007
                                                                                                                      Human secreted/transmembrane US2003054401-A1.
                                                                                                                                                                                                                                                                         ABO43316 standard; protein; Novel human secreted and traUS2003044945-A1.
                                                                                                                                                                                                                                                                                                                                         ADB13208 standard; protein;
Human PRO polypeptide #168.
US2003082710-A1.
01-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel human secr
US2003073211-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADB18785 standard; protein; 312 AA. Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                 06-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            24-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                08-MAY-2003
                                                                                                              20-MAR-2003
                                                                                                                                                                                                                                                                                                                                  (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH )
                                                                                                                                         ADA42245 standard; protein; 312 AA.
                                                                                                                                                                               (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH )
                                                                                                    (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH INC.
        Local Similarity
                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                                                                     8271.

-2003.

) GENENTECH INC.

26.2%; //
                                                                                                                                                  68'7-
-2003.
) GENENTECH INC.
26.2*;
35.2*;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ) GENENTECH INC. 26.2%; / 35.2%;
                                                                                                                                                                                                                                                       GENENTECH INC.
                          GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENENTECH
A INC.
26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      H INC.
26.2%;
ty 35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   i INC.
26.2%;
y 35.2%;
                                                                                 26.2%;
                                                                                                                                                                                                                                    26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                       26.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               35.2%;
                                                                                                                                                                                                                                                                                   in; 312 AA.
transmembrane
                                                      312
0 NO
                                                                                                                                                                                                                   312
                                                                                                                                                                                                                                                                                                                                                                     312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            312
        Score
Pred.
                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                               protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pred.
                                                                                                                                                                                                                   ₹
                                                                                                                                                                                                                                                                                                                                                                     ξ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         $
                                                       336
                                                                                                                                                                                                                                                                                                        3 4041
''n. 2.2e-
                                                                                  404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     404;
No. 2.
                                                                                                                                                            404;
No. 2
                                                                                                                                                                                                                                    404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                        404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          404;
No. 2.
        404; DB 6;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
.
                                                                                                                               #13
                                                                                                                                                                                                                                                                                    protein
                                                                                                                                                                                                                                                                                                                                                                                                                                      protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                'n
                                                                                  DB 6;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                        DB 6;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 6;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 6;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 6;
.2e-21;
                                                                                                                                                                                                                                     . 2e-
                                                                                                                                                             .2e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2e-21;
                                                                                                                                                                                                                                                                                                               6;
-21;
                                                                                                                                                                                                                                      21.6
                                                                                                                                                             .
21
                Length
                                                                                                                                                                                                                                                                                                                      Length
                                                                                           Length
                                                                                                                                                                    Length
                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               312;
                                                                                                                                                                                                                                                                                                                         312;
```

```
Best Local Similarity RESULT 908
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 904
                                                                           RESULT 909
                                                                                                                                                                                                                                                                                                            RESULT 906
                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                             Query Match
                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human PRO polypeptide #168. US2003082701-A1.
                                      Human PRO polypeptide #168. US2003073210-A1.
                                                                                                                                                                                                                                                                                                                                                   Human PRO polypeptide #11. US2003064367-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel human secreted and transmembrane US2003082708-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human PRO polypeptide #168. US2003073216-A1.
                                                                                                                  Human PRO polypeptide #168. US2003082703-A1.
                                                                                                                                                                                             Human PRO polypeptide #168. US2003082761-Al.
                                                                                                                                                                                                                                                                        Human PRO polypeptide #168.
US2003073214-A1.
17-APR-7000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADA85260 standard; protein; 312 AA.

Novel human secreted and transmembrane
US20010982695-A1.
01-MAY-2003.
(GETH) GENENTECH INC.
127 Match
128 Core 404;
139 Core 404;
14 Core 404;
15 Core 404;
15 Core 404;
16 Core 404;
17 Core 404;
18 Core 404;
18 Core 404;
18 Core 404;
18 Core 404;
                                                                                                                                                                                                                                                                                                                                                                                                                   01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                      (GETH ) GENENTECH INC.
Local Similarity 910
                                                                                   Local Similarity
                                                                                                                                                                                                                                           ocal Similarity
                                                                                                                                                                                                                                                                                                                     ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                 ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ocal Similarity
                                                                                                                                                     3082761
4Y-2003.
H) GENENTECH INC.
26.2%; 5
                                                                                                                                                                                                                                7321-,
-2003.
) GENENTECH INC.
26.2%; 5
-1+v 35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                        GENENTECH
                            GENENTECH INC
                                                                                                                                                                                                                                                                                                                   1 INC.
26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                 26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   26.2%;
35.2%;
                                                                                   26.2%;
35.2%;
         26.2%;
35.2%;
                                                                                                                                                                                                                        312
                                                                                                                                                                                                                                                                                                   312
                                                                                                                                                                                                                                                                                                                                                                             312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            312
                                                                 312
                                                                                                                                           312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  312
          Score
Pred.
                                                                                   Score
Pred.
                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                    ₿
                                                                 ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       No. 3
                                                                                   404;
No. 2.
                                                                                                                                                             404;
No.
                                                                                                                                                                                                                                                                                                                      404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                 404;
No. 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    No. :
          404; DB 6;
No. 2.2e-21;
                                                                                                                                                                                                                                          404; DB 6;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; DB 6;
2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       N
                                                                                                                                                               N
                                                                                                                                                                                                                                                                                                                                                                                                  N
                                                                                                                                                                                                                                                                                                                                                                                                                                                protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein
                                                                                   DB 6;
.2e-21;
                                                                                                                                                             DB 6;
.2e-21;
                                                                                                                                                                                                                                                                                                                      DB 6;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                 DB 6;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 6;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .2e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -21,
                                                                                                                                                                                                                                                                                                                              Length
                  Length
                                                                                           Length
                                                                                                                                                                      Length
                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      312;
```

```
Query Match
Best Local Similarity
RESULT 918
                                                                                                                                                           Best Local Similarity RESULT 917
                                                                                                                                                                                                                                     Query Match
Best Local Similarity
RESULT 916
                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 915
                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 914
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Loc
RESULT 913
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 912
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 911
                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                              US2000000
01-MAY-2003.
(GETH) GENENTECH INC.
26.2%; (
Match 'Tarity 35.2%;
                                                                                     US2000000
01-MAY-2003.
(GETH ) GENENTECH INC.
26.2%; /
                                                                                                                                                                                                                                        US2003.
24-APR-2003.
(GETH) GENENTECH INC.
(GETH) GENENTECH 26.2%;
Match 25-24;
                                                                                                                                                                                                                                                                                                                                                                                                 USZU----
22-MAY-2003.
(GETH ) GENENTECH INC.
26.21
Watch ...ity 35.2
                                                                                                                                                                                             Human PRO polypeptide #168. US2003082690-Al. 01-MAY-2003.
                                                                                                                         Human PRO polypeptide #168. US2003082702-A1.
                                                                                                                                                                                                                                                                            Human PRO polypeptide SEQ ID US2003077714-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human PRO polypeptide #168.
US2003092147-Al.
                                                               ADA95920 standard; protein;
Human PRO polypeptide #168.
                                                                                                                                                                                                                                                                                                                                                                                                                                      ADB31068 standard; protein;
Human PRO polypeptide #168.
US2003096386-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADA93431 standard; protein;
Human PRO polypeptide #168.
US2003077721-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADB25255 standard; protein;
Human PRO polypeptide SEQ II
US2003077715-A1.
                                    (GETH ) GENENTECH INC.
                                                        US2003082759-A1.
                                                                                                                                                                                                                                                                                                                                                              Homo sapiens.
US2003049817-A1.
ADB26229 standard; protein;
                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                       13-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                 ADA60996 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ) GENENTECH INC.
                   Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                          26.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      26.2%;
                 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 26.2%;
35.2%;
                   2;
                                                                                                                                                                                                                                                                                                                                                                                                    .24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ü
312
                                                                                                                                                   312
                                                                                                                                                                                                                                                                                              312
D NO
                                                                                                                                                                                                                                                                                                                                                                                  312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               312
NO
                                                                                                                                                                                                                             312
                                                                                                                                                                                                                                                                                                                                                                                                                                                           312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              312
                                                                         312 AA
                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                  Score
Pred.
                                                                                          Score
Pred.
                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                      Score 404; DB 6;
Pred. No. 2.2e-21;
                                                                                                                                                                                                                                                                                              336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               336
₿
                                                                                                                                                                                                                                                                                                                        404;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           404;
                  404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  404;
                                                                                           404;
No. 2.
                                                                                                                                                                                                                                                 404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                    404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 6;
.2e-21;
                   DB 6;
.2e-21;
                                                                                            DB 6;
.2e-21;
                                                                                                                                                                                                                                                 DB 6;
.2e-21;
                                                                                                                                                                                                                                                                                                                          DB 6;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                      .
2e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .2e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  -21;
                                                                                                                                                                                                                                                                                                                                                                                                     6;
-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .
21,
                            Length
                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                     Length
                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       312;
```

```
RESULT
ID AI
DE NG
PN US
PD 01
PA (C
                                                                                                                              Query Mat
Best Loca
RESULT 926
ID ADA416
DE Human
PN US2003
PD 01-MA)
PA (GETH
                                                                                                                                                                                                                                                                                                 RESULT
ID AD
DE Hu
PN US
PD 27
                                                                                                                                                                                                                                                                                                                                                                     RESULT
ID AD
DE No
PN US
PD 01
PA (G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 921
ID ADA774
DE Human
PN US2003
PD 10-APF
PA (GETH
 BH
                                                                                                                                                                                                            Pagaga
                                                                                                                                                                                                                                                            RESULT 925
                                                                                                                                                                                                                                                                                                                                                                                                                                                     B B B B B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT
                                                                                                                                                                                                                                                                              Query
                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                           Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                  Novel human secreted and tra
US2003082709-A1.
01-MAY-2007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #168.
US2003068797-A1.
10-APR-2007
                                                                   ADA88019 standard; protein; 312 AA. Novel human secreted and transmembr US2003082700-A1.
                                                                                                                                                                                                                                                                                                          ADA16524 standard; protein; 3
Human secreted/transmembrane
US2003039969-A1.
                                                                                                                                                          ADA41821 standard; protein; 312 AA.
Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADB18233 standard; protein;
Human PRO polypeptide #168.
US2003077710-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADB21714 standard; protein; Novel human secreted and tra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human PRO polypeptide
US2003082760-A1.
 ADA46407 standard; protein;
Novel human secreted and tra
                                                                                                                                                 US2003082540-A1.
                                                                                                                                                                                                                              Human secreted/transmembrane
US2003049622-A1.
                                                                                                                                                                                                                                                   ADA12953 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US2003082765-A1.
01-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH
                                                GETH ) GENENTECH INC
                                                                                                                             GETH ) GENENTECH INC.
                                                                                                                                                                                                           GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                     GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  GETH ) GENENTECH INC.
                                                                                                                                                                                        Local Similarity
                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                              Match
                            ocal Similarity
                                                                                                                                                                                                   Match
                                                                                                                                                                                                                                                                     ocal Similarity
                                                                                                                                                                                                                                                                                                                                                  ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                               ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ocal Similarity
                                                                                                                                                                                                                                                           .3950.
-2003.
) GENENTECH INC.
26.2%; $
-4+v 35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENENTECH INC.
                                                                                                                                                                                                                                                   protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                               26.2%;
35.2%;
                                                                                                                                                                                        26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                  26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           26.2%;
35.2%;
                            26.2%;
35.2%;
                                                                                                          26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #168.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           in; 312 AA.
transmembrane
 transmembrane
                                                                              transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                   transmembrane
                                                                                                                                                                                                                                       312 AA.
le protein,
                                                                                                                                                                                                                                                                                                                                                                                                             312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       312
                                                                                                                                                                                                                                                                                                                               312 AA
                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                    protein,
                              Score
Pred.
                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                     Score 404; DB 7;
Pred. No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
          ₿
                                                                                                                                                                                                                                                                                                                                                                                                              ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ₿
                              404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            404;
No. 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                               404; DB 7;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             404;
No. 2
                                                                                                           404; DB 7;
No. 2.2e-21;
                                                                                                                                                                                        404; DB 7;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                  404; DB 7;
No. 2.2e-21;
                                                                                                                                                            #13.
                                                                                                                                                                                                                                        #13.
                                                                                                                                                                                                                                                                                                                       #13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; DB 7;
2.2e-21;
protein PRO245
                                                                             protein
                                                                                                                                                                                                                                                                                                                                                                                                   protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 6;
.2e-21;
                              .2e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .
2e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            -21;
                                                                                                                                                                                                                                                                                                                                                                                                   PRO245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRO245
                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                      Length
                                                                                                                    Length
                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                     312;
                                                                                                                                                                                                                                                                                                                                                                                                                                           312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   312;
```

```
AN-2003.

AN-2003.

AN-2003.

Auery Match

Best Local Similarity

RESULT 937

ID ADB22266 stand

PN US200
                                                                                                        Best Local Similarity RESULT 936
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 929
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       P B P
                                                                                                                                                                                 Best Local Similarity RESULT 935
                                                                                                                                                                                                                                                           Best Local Similarity RESULT 934
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                           Query Match
                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                      Human PRO polypeptide #168.
US2003082706-Al.
01-MAY-2003.
                                                                                                                                               Human PRO polypeptide #168.
US200308266-A1.
01-MAY-2003
                                                                                                                                                                                                                                                                                                 Human PRO polypeptide #168. US2003059909-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human PRO polypeptide #168. US2003082699-A1.
                                                                   ADB27333 standard; protein;
Human PRO polypeptide #168.
US2003022239-A1.
30-JAN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADA42671 standard; protein; :
Human secreted/transmembrane
US2003054351-A1.
20-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US2003054516-A1.
20-MAR-2003.
                                                                                                                                                                                                                                         ADA88571 standard; protein; 312 AA.
Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human secreted/transmembrane
                      ADB22266 standard; protein; 312 AA.
Novel human secreted and transmembrane protein
                                                                                                                                                                                                                                US2003073213-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US2003017498-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADA17168 standard; protein;
                                                                                                                                                                                                               (GETH )
                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
ry Match 26.
t Local Similarity 35.
                                                                                                                                                                                                                                                                                                                                                                                                                                          (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                        ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ocal Similarity
                                                                                                                                                                                  7321-
2003.
) GENENTECH INC.
26.2%;
11-v 35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5432-
2003:
) GENENTECH INC.
26.24;
35.24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1745 - 1703.
) GENENTECH INC. 26.2%; 5
                                                                                                         32655
2003
) GENENTECH INC.
26.2%;
27. 35.2%;
                                                                                                                                                                                                                                                                    h 26. Similarity 35.
                                                                                                                                                                                                                                                                                                                                                                                                                                        GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INC.
                                                                                                                                                                                                                                                                                                                                                                                                                       26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    26.2%;
                                                  26.2%;
                                                                                                                                                                                                                                                                     .2*;
                                                                                                312
                                                                                                                                                                         312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  312 AA.
                                                                                                                                                                                                                                                                                                                             312
                                                                                                                                                                                                                                                                                                                                                                                                     312 AA
                                                  Score
Pred.
                                                                                                                  Score
Pred.
                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       protein,
                                                                                                ₿
                                                                                                                                                                          ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ⋛
                                                                                                                                                                                                                                                                                                                             ₹
                                                  404;
No. 2
                                                                                                                                                                                           404;
No. 2.
                                                                                                                                                                                                                                                                                                                                               404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                      404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    404;
No. 2.
                                                                                                                  404;
No. 2.
                                                                                                                                                                                                                                                                     404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            404; DB 7;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #13
                                                                                                                                                                                                                                         protein
                                                  DB 7;
.2e-21;
                                                                                                                   DB 7;
.2e-21;
                                                                                                                                                                                            DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                               DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 7;
.2e-21;
                                                                                                                                                                                                                                                                      . 2e-
                                                                                                                                                                                                                                                                                                                                                                                                                        .2e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .2e-
                                                                                                                                                                                                                                                                                                                                                                                                                        7;
-21;
                                                                                                                                                                                                                                                                      7;
-21;
                      PRO245
                                                                                                                                                                                                                                           PRO245
                                                         Length
                                                                                                                            Length
                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                            312;
                                                                                                                                                                                                      312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              312;
```

```
Best Loca
RESULT 942
                                                             Query Match
Best Local Similarity
RESULT 946
                                                                                                                                                                                                                          Best Local Similarity RESULT 944
                                                                                                                                                                                                                                                                                                        Best Loc
RESULT 943
                                                                                                                                          Best Local Similarity
RESULT 945
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 941
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Loc
RESULT 940
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 939
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local
                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                US200000

OB-MAY-2003.

(GETH ) GENENTECH INC.

GENENTECH 26.2%; (

March 25.2%;
                                                                                                                                                                                                                                                                                                                                                                                        US20U3...
24-APR-2003.
(GETH) GENENTECH INC.
Generated 26.2%; (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US2003.vc..
03-APR-2003.
(GETH ) GENENTECH INC.
(GETH ) 26.2%; /
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human PRO polypeptide #11. US2003064923-A1. 03-APR-2007
                                                                                                       Novel human secreted and transmembrane US2003087347-A1.
                                                                                                                                                                                                                                                                  Human PRO polypeptide #168.
US2003087352-A1.
08-MAY-2007
                                                                                                                                                                                                                                                                                                                                                  Novel human secreted and transmembrane US2003082712-A1.
                     Novel human secr
US2003082689-A1.
01-MAY-2003.
                                                                                                                                                                                 ADB38628 standard; protein; 312 AA. Novel human secreted and transmembrane US2003082766-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                              ADB23591 standard; protein; 312 AA.
Human PRO polypeptide SEQ ID NO 336.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AUBZZ818 standard; protein;
Human PRO polypeptide #168.
                                                   ADB66548 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US2003077711-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADA66957 standard; protein;
Human PRO polypeptide #168.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADA66957 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US2003068793-A1.
                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
938
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                        ) GENENTECH INC
GENENTECH INC. 26.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENENTECH INC
                                         andard; protein; 312 AA. secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          26.2%;
35.2%;
                                                                                                                                                   26.2%;
35.2%;
                                                                                                                                                                                                                                  26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26.2%;
                                                                                                                                                                                                                                                                                                                 26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26
35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .2*
                                                                                                                                                                                                                                                                                              312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    312
                                                                      Score
Pred.
                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
    Score
                                                                                                                                                                                                                                                                                                                                                                                              Score 404;
Pred. No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ₹
    404;
                                                                       404;
No. 2.
                                                                                                                                                    404;
No. 2
                                                                                                                                                                                                                                  404;
No. 2.
                                                                                                                                                                                                                                                                                                                 404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          N
                                                                                                                                                                                                                                                                                                                                                                 protein
                                         protein
                                                                                                                        protein
                                                                                                                                                                                                    protein
                                                                                                                                                                                                                                                                                                                                                                                               DB 7;
.2e-21;
                                                                       .2e
                                                                                                                                                    . 2e
                                                                                                                                                                                                                                  DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                 DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 7;
.2e-21;
    명
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 7;
.2e-21;
                                                                       -7;
-21;
                                                                                                                                                    7;
-21;
    7;
   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                               Length
                                                                                                                                                            Length
                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                       Length 312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
    312;
                                                                                 312;
                                                                                                                                                                                                                                            312;
```

```
Best Local Similarity
RESULT 947
ID ADRAGGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Loca
RESULT 950
                                                                   Best Loca
RESULT 955
                                                                                                                                                                                                                              Best Local Similarity RESULT 953
                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 952
                                                                                                                                                                                                                                                                                                                                                                                        Best
RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 949
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 948
 Best Local Similarity
                                                                                     Query Match
                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                             US2000-01-MAY-2003.

01-MAY-2003.

(GETH ) GENENTECH INC.

26.2%;

26.2%;

27.2%;
                                                                                                                                                                                        Human PRO polypeptide #168.
US2003082697-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human PRO polypeptide #168. US2003082698-A1.
                                                                                                                   ADB77296 standard; protein; 312 AA. Novel human secreted and transmembrane US2003082696-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                      ADB39461 standard; protein; 312 AA.
Novel human secreted and transmembrane
US2003082764-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #168.
US2003082762-A1.
                                     ADB34453 standard; protein;
Human PRO polypeptide SEQ II
US2003077717-A1.
                                                                                                                                                                                                                                                                              Novel human secr
US2003082687-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human secreted/transmembrane US2003077654-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADB77590 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                 (GETH
                                                                                                                                                                                                                                                                                                 ADB47084 standard;
                                                                                                                                                                                                                                                                                                                                                           Human secreted/transmembrane US2003082542-A1.
                                                                                                                                                                                                                                                                                                                                                                               ADB74726 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC.
                                                                                                                                                          Local Similarity
                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                30825..
AY-2003.
AY-2003.
AY-2013.
26.2%;
35.2%;
                                                                                                                                                                                                                                                          ) GENENTECH INC.
                                                                                               ) GENENTECH INC.
                   GENENTECH
                                                                                                                                                                                                                                                                                       andard; protein; 312 AA. secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                protein;
26.2%;
35.2%;
                                                                            26.2%;
                                                                                                                                                                                                                                       26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          26.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        35.2%;
                                                312
                                                                                                                                                                                                                   312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       312 AA
                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    312 AA
                                                                                                                                                                                                                                      Score
Pred.
                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
 Score 404; DB 7;
Pred. No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                    protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pred.
                                                AA.
336.
                                                                                                                                                                                                                   B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       404;
                                                                             404;
No. 2.
                                                                                                                                                          404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               No. 2.
                                                                                                                                                                                                                                       404;
No. 2.
                                                                                                                                                                                                                                                                                                                    404; DB 7;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                 404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        No.
                                                                                                                            protein
                                                                                                                                                                                                                                                                                      protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein
                                                                                                                                                           DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                  DB 7;
.2e-21;
                                                                              2e-
                                                                                                                                                                                                                                       DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .2e-
                                                                                                                                                                 Length
                                                                                      Length
                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                  312;
                                                                                                                                                                    312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     312;
                                                                                                                                                                                                                                                                                                                               312;
```

```
Best Local Similarity
RESULT 957
ID ADB33901 standard; p
DE Human PRO polypeptid
PN US2003077716-A1.
PD 24-APR-2003.
                                                                                                   RESULT 963
ID ADC400
DE Human
PN US2003
PD 27-MAR
PA (GETH
                                                                                                                                                                                                                                                                             RESULT
ID AD
DE Hu
PN US
PD 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT
ID AI
DE HU
PN US
PD 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT
ID AD
DE Hu
PN US
PD 24
                                                                                                                                                                                              Seri
                                                                                                                                                                                                                                                                                                                                                              B S G G
                                                                                                                                                                                                                                                                                                                                                                                                     RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                    BRBBB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 959
                                                                                          Query Match
                                                                                                                                                                                                                                                 Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                          Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human PRO polypeptide SEQ ID US2003077719-A1.
                             ADC18914 standard; protein; 3
Human secreted/transmembrane
US2003036061-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                               Human PRO polypeptide SEQ ID NO 336. US2003077720-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human Pro Scandard; protein; :
10 US2003077718-A1
24-APR-2003
                                                                                                                                                                                                                                                                                                ADC28372 standard; protein; 312 AA.
Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                                                                                                                                                ADB46504 standard; protein; 312 AA Novel human secreted and transmemb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADB33901 standard; protein; 312 AA. Human PRO polypeptide SEQ ID NO 336. US2003077716-A1.
                                                                                                                                                                                                               ADC39572 standard; protein; 312 AA.
                                                                                                                        Human secreted/transmembrane US2003059829-Al.
                                                                                                                                            ADC40086 standard; protein; 312 AA
                                                                                                                                                                                                        JS2003059828-A1.
                                                                                                                                                                                                                                                                                                                                                              US2003082692-A1.
01-MAY-2003.
                                                                                                               27-MAR-2003
                      GETH
                                                                                                   (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                               7-MAR-2003
                                                                                                                                                                                    GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                   GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                  GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                  GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                              ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ocal Similarity
                                                                                                                                                               ocal Similarity
                                                                                                                                                                                                                                               ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                               ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                           Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ocal Similarity
 Similarity
                    GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              26.2%;
35.2%;
26.2%;
35.2%;
                                                                               26.2%;
35.2%;
                                                                                                                                                              26.2%;
35.2%;
                                                                                                                                                                                                                                               26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                              26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                              26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                 transmembrane
                                                312 AA.
He protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                312
D NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 312
0 NO
                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                 protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
 Score
Pred.
                                                                               Score
Pred.
                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 336
336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 336
336
                                                                                                                                                                404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              404;
No. 2.
                                                                                                                                                                                                                                                                                                                                404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               404;
No. 2.
                                                                                                                                                                                                                                               404; DB 7;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                               404; DB 7;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              404; DB 7;
No. 2.2e-21;
 404; DB 7;
No. 2.2e-21;
                                                                                404; DB 7;
No. 2.2e-21;
                                                   #13.
                                                                                                                                                               1; DB 7;
2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                DB 7;
.2e-21;
                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
          Length
                                                                                          Length
                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
           312;
                                                                                                                                                                           312;
                                                                                                                                                                                                                                                                                                                                                                                                                          312;
```

```
Best Local Similarity RESULT 968
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
                              Query Match
                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                             ADC71924 standard; protein; 312 AA. Novel human secreted and transmembrane US2003092107-A1.
                                                                                                                                           ADC50377 standard; protein; 312 AA. Novel human secreted and transmembrane US2003092106-A1.
                                                                                                                                                                                                                                         ADC12856 standard; protein; 3 Human secreted/transmembrane US2003073079-A1.
                                                                                                                                                                                                                                                                                                                                          ADC33786 standard; protein; 3 Human secreted/transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADC40681 standard; protein; 
Human secreted/transmembrane 
US2003054400-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADC28796 standard; protein; 3 Human secreted/transmembrane US2003049677-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADC29265 standard; protein; 3 Human secreted/transmembrane
                                                                                                                                                                                                                                                                                                                     US2003073077-A1.
17-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human secreted/transmembrane US2003036094-A1.
                                                                                                                                                                                                                                 17-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                    Human secreted/transmembrane US2003054441-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US2003049676-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADC34210 standard; protein; 312 AA
                                                                                                                                                                                                                    (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                            20-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                           ADC19338 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                          ocal Similarity
                                                                                                                                                                                                                                                                                      ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                              ocal Similarity
                    ocal Similarity
                                                                                                                                                                                               ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                         ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                2003.
) GENENTECH INC.
26.2%; 5
                                                                                                                               GENENTECH INC.
                                                                                                                                                                                                                                                                                                           GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENENTECH
                                         GENENTECH
standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             i INC.
26.2%;
y 35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INC.
                                                                                                          26.2%;
35.2%;
                    26.2%;
35.2%;
                                                                                                                                                                                              26.2%;
35.2%;
                                                                                                                                                                                                                                                                                   26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                    312 AA
 312 AA
                                                                                                                                                                                                                                                                312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                          312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           312 AA
                    Score
Pred.
                                                                                                          Score
Pred.
                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                     protein,
                                                                                                                                                                                                                                                                                                                                          protein,
                                                                                                                                                                                                                                                                                                                                                                          Score 404; DB 7;
Pred. No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 404;
Pred. No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protein,
                   ± 404;
                                                                                                                                                                                               404;
No. 2.
                                                                                                                                                                                                                                                                                      404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                404;
No. 2
                                                                                                           404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                 #13
                                                                                                                                                                                                                                                      #13
                                                                                                                                                                                                                                                                                                                                           #13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #13.
                                                                          protein
                                                                                                                                                                protein
                                                                                                                                                                                                DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                      DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 7;
.2e-21;
                                                                                                           . 2e-
                                 DB
                                                                                                          7;
-21;
                                                                                                                                                                 PRO245
                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                               Length
                                                                                                                     Length
                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            312;
```

```
Query Match
Best Local S
RESULT 975
                                                                                                                                                                                                                                                                                                                                                                                         RESULT
ID AL
DE NC
PN US
PD 08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Loca
RESULT 977
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 976
ID ADC572
DE Novel
PN US2003
PD 08-MA)
PA (GETH
Best Local Similarity
RESULT 983
ID ADC55917 standard;
DE Novel human secrete
                                                                                                                                                                                 HESULT 981
                                                                                                    RESULT 982
                                                                                                                                                                                                                         BBBB
                                                                                                                                                                                                                                                                                                                                                   RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  222
                                                                                                            Query
Best L
                                                                                                                                                                                                                                                                                                                                                             Query
                                                                                                                                                                                                                                                                                     Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US200000

08-MAY-2003.

(GETH ) GENENTECH INC.

26.2%;

Match 17-(ty 35.2%;
                                                                                                                                                                                                                                                                                                                                                                                            Novel human secreted and tra
US2003087361-Al.
                                                                                                                                                                                                                                                                                                                  ADC65457 standard; protein;
Human PRO polypeptide #168.
US2003087362-A1.
                                                                                                                                                           AUC53516 standard; protein;
Novel human secreted and tra
                                                                                                                                                                                                                                  ADC54555 standard; protein; 312 AA. Novel human secreted and transmembrane US2003087363-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel human secreted and transmembugginging
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADC52910 standard; protein; 312 AA. Novel human secreted and transmembrane
ADC55917 standard; protein; 312 AA.
Novel human secreted and transmembr
                                                            US2003087359-A1.
08-MAY-2003.
                                                                                Novel human secreted
                                                                                        ADC59039 standard;
                                                                                                                                                     US2003087364-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US2003087367-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADC60455 standard; protein; 312 AA.
Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US2003087365-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Novel human secreted
                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
ry Match 26.
Local Similarity 35.
                                                 (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                               GETH ) GENENTECH INC.
                                                                                                            ocal Similarity
                                                                                                                                                                                           ocal Similarity
                                                                                                                                                                                                                                                                           ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                          ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ocal Similarity
                                                                                                                                                                                                                                                                                               GENENTECH
                                                                                                                                                                                                                GENENTECH
                                                                                                                                                                                          1 INC.
26.2%;
y 35.2%;
                                                                                                                                                                                                                                                                                               INC.
                                                                              protein; 312 AA.
ed and transmembrane
                                                                                                                                                                                                                                                                           26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          26.2%;
35.2%;
                             26.2%;
35.2%;
                                                                                                           26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                           26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            and
                                                                                                                                                             and transmembrane
transmembrane protein
                                                                                                                                                                                                                                                                                                                                                                                                             transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            transmembrane
                                                                                                                                                                        312 AA.
                                                                                                                                                                                                                                                                                                                                       312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                        312 AA.
                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                           Score
Pred.
                             Score
Pred.
                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                           No. 2.
                                                                                                            404;
No. 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          404;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         404; DB
No. 2.2e-
                                                                                                                                                                                            404;
No. 2.
                                                                                                                                                                                                                                                                          404; DB 7;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                           404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          404;
No. 2
                             404;
No. 2.
                                                                                                            4; DB 7;
. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          N
                                                                              protein
                                                                                                                                                              protein
                                                                                                                                                                                                                                                                                                                                                                                                             protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein PRO245
                                                                                                                                                                                                                                             protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein
                                                                                                                                                                                             DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                           DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                           .2e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .2e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          . 2e-
                               2e.
                                                                                                                                                                                                                                                                                                                                                                                                                                            -21,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7;
-21;
                                                                              Seq
                                                                                                                                                              Seq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Seq
Seq ID336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Seq
                                                                                                                                                                                                                                             Seg
                                                                                                                                                                                                                                                                                                                                                                                                             PRO245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRO245
                                                                                                                                                                                                                                                                                   Length
                                      Length
                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                ID336
                                                                                                                                                              ID336
                                                                                                                                                                                                                                             ID336.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ID336.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    312;
```

```
Best Loca
RESULT 984
                    Query Match
Best Local Similarity
RESULT 992
                                                                                                                                                                                         Query Match
Best Local Similarity
RESULT 990
                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 989
                                                                                                                                                                                                                                                                                                                                                              RESULT 988
                                                                                                     RESULT 991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 986
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 985
                                                                                                               Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
                                                                                                                                                                                                                                                                                                Query Match
                        USZU-U---

08-MAY-2003.

(GETH ) GENENTECH INC.

26.2%;

Match 25.2%;

17-114 35.2%;
                                                                                                            US20031.
16-OCT-2003.
(GETH) GENENTECH INC.
26.2%
Watch 26.2%
                                                                                                                                                                                                                                                                                                                                                                                                                                                    US2000---
15-MAY-2003.
(GETH ) GENENTECH INC.
26.2%;
Match 26.2%;
                                                              Novel human secreted and tra
US2003087354-A1.
                                                                                                                                                Human PRO polypeptide #168. US2003194776-A1.
                                                                                                                                                                                                                                                                                                                 Human PRO polypeptide #168. US2003194770-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel human secreted and transme US2003092104-A1.
                                                                                                                                                                                                                                           ADC48461 standard; protein;
Human PRO polypeptide #168.
US2003194773-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADC58487 standard; protein; 312 AA. Novel human secreted and transmembrane US2003087346-A1.
                                                                                                                                                                                                                                                                                                                                                                                                       US2003087348-A1.
08-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                          ADC90153 standard; protein; 312 AA.

Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US2003087360-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US2003082541-A1.
ADC80521 standard; protein; 312 AA.
Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human secreted/transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADC12308 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               08-MAY-2003
                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2003
) GENENTECH INC.
26.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENENTECH INC.
                                                                                                                                                                                                   26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                        35.
                                                                                                                                                                                                                                                                                      35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  26.2%;
35.2%;
                                                                                  rotein; 312 AA.
and transmembrane
                                                                                                                 . 23;
                                                                                                                                                                                                                                                                                       .2*;
                                                                                                                                                                              312
                                                                                                                                                                                                                                                                 312
                                                                                                                                                                                                                                                                                                                                                     312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                312 AA.
protein,
                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                               Score 404;
Pred. No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 404; DB 7;
Pred. No. 2.2e-21;
                                                                                                                                                                                                   Score 404;
Pred. No. 2
                                                                                                                                                                                                                                                                  ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ş
                                                                                                                 404;
No. 2.
                                                                                                                                                                                                                                                                                       404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                         404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 404; DB 7;
No. 2.2e-21;
                                                                                   protein
 protein
                                                                                                                                                                                                                                                                                                                                                                                                                             protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    protein
                               DB 7;
.2e-21;
                                                                                                                 DB 7;
.2e-21;
                                                                                                                                                                                                   DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                       DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                          2e
                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB
2e
                                                                                                                                                                                                                                                                                                                                                                          7;
-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                           7;
-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Seq
  PRO245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRO245
                                                                                                                                                                                                                                                                                                                                                                                                                              PRO245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                            Length
                                         Length 312;
                                                                                                                          Length
                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ID336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      312;
```

```
Match

Best Local Similarity

RESULT 1001

ID ADD52290 stand

DE Human PRO
PN US200
                                                                                                                                                                                                                                  Best RESULT AD DE Hu US PD 05 PD 05 PA (G
                                                                                                                        Best Local Similarity RESULT 1000
                                                                                                                                                     PAPRI
                                                                                                                                                                                                                                                                                                                                                                                            P P P E E
                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BBBB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US2003.
16-OCT-2003.
(GETH ) GENENTECH INC.
26.2%;
Match 27-71EY 35.2%;
                                                                                                                                                                                                        US2003.
05-JUN-2003.
(GETH ) GENENTECH INC.
(BETH ) 26.2%;
Warch 26.2%;
Human PRO polypeptide #168. US2003194769-A1.
                                                                                                                                                                                                                                                                                                                          Human PRO polypeptide #168. US2003194775-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human PRO polypeptide #168.
US2003194774-A1.
                                                                                                                                                                                                                                                  ADD03869 standard; protein; 312 AA. Human secreted/transmembrane protei US2003104381-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADD04863 standard; protein; 3
Human secreted/transmembrane
US2003104469-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AUC47909 standard; protein;
Human PRO polypeptide #168.
                                                                                                    ADD41151 standard; protein; 312 AA. Novel human secreted and transmembrane
                                                                                                                                                                       Human secreted/transmembrane US2003108983-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                       ADC79969 standard; protein; 312 AA.
Novel human secreted and transmembrane
                                                                                           JS2003203438-A1.
                                                                                                                                                                                           ADD03445 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                              US2003087358-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  05-JUN-2003
                                                                                                                                                    GETH ) GENENTECH
                                                                                                                                                                2-JUN-2003
                                                                                                                                                                                                    Local Similarity
999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Match
                                                                                                                                                                                                                                                                                                                                                                        ocal Similarity
                                                                                                                                                                                                                                                                                 94'; -
2003.
) GENENTECH INC.
26.2%; 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENENTECH
                                                   I INC.
26.2%;
y 35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INC.
26.2%;
y 35.2%;
                                                                                                                                                    INC.
                                                                                                                                                                                                                                                                                                                                                                       26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    26.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26.2%;
35.2%;
                                                                                                                                 26.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       312
                                 312
                                                                                                                                                                                                                                                                                                                                                    312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           312
                                                                                                                                                                                           312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                 protein,
                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                              protein,
                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                          Score 404; DB 7;
Pred. No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          404; DB 7;
No. 2.2e-21;
                                                                                                                                  404; DB 7;
No. 2.2e-21;
                                                                                                                                                                                                              404; DB 7;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      404; DB 7;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  404; DB 7;
No. 2.2e-21;
                                                     404; DB 7;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                        404; DB 7;
No. 2.2e-21;
                                                                                                                                                                                  #13.
                                                                                                                                                                                                                                                               #13.
                                                                                                     protein
                                                                                                                                                                                                                                                                                                                                                                                                                        protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                             Length
                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                312;
                                                                                                                                                                                                                                                                                                      312;
```

```
Best Local Similarity RESULT 1002
                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 1005
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 1004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 1003
                                      Query Match
Best Local Similarity
RESULT 1010
                                                                                                           Best Local Similarity RESULT 1009
                                                                                                                                                                              Best Local Similarity RESULT 1008
                                                                                                                                                                                                                                                  Best Local Similarity
                                                                                                                                                                                                                                                                                                                       Best Loca
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                          Query Match
                                                                                                                                                                                               Query Macch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                             Novel human secreted and transmembrane US2003203432-A1.
                                                                           Human PRO polypeptide #168. US2003199055-Al.
                                                                                                                                              Human PRO polypeptide #168.
US2003199030-A1.
23-OCT-2007
                                                                                                                                                                                                                                                                                    Human PRO polypeptide #168. US2003203430-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                   ADD51738 standard; protein;
Human PRO polypeptide #168.
US2003194779-A1.
US2003199057-A1.
                                                                                                                                                                                                                                                                                                                                                       ADD02537 standard; protein;
Human PRO polypeptide #168.
US2003203431-A1.
30-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADD53582 standard; protein; 312 AA. Novel human secreted and transmembrane US2003201437-A1.
30-CCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              אט standard; protein; Human PRO polypeptide #168.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US2003194792-ĀĪ.
                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH )
                                                                                                                                                                                                                                                                                                                                                 (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                             16-OCT-2003
                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Match
                                                                                                                                                                                                                                                                                                                       .0342-
-2003.
) GENENTECH INC.
26.2%;
                                                                                                                                                                                                                                                                                                                                                                                          947.

-2003.

) GENENTECH INC.

26.2%; (26.2%)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ) GENENTECH INC. 26.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ) GENENTECH INC. 26.2%; 26.2%; 35.2%;
                                                                                                                                     GENENTECH
                                                                                                                                                                                                                                                          GENENTECH INC.
h 26.
Similarity 35.
                                                                 GENENTECH
                                                                                                                                                                                                       GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENENTECH INC.
                                                                                                                          4 INC.
                                               1 INC.
26.2%;
cy 35.2%;
                                                                                                                   26.2%;
35.2%;
                                                                                                                                                                                       26.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     26.2%;
35.2%;
                                                                                                                                                                                                                                                           . 28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             312
                                                                                                   312
                                                                                                                                                                                                                                                                                                                                                                                 312
                               312
                                                                                                                                                                        312
                                                                                                                                                                                                                                                                                                              312
                                                                                                                                                                                                                                                                                                                                                                                                                                                      312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                Score
Pred.
                                                                                                                    Score
Pred.
                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                  ≵
                                                                                                                                                                       B
                                                                                                                                                                                                                                                                                                              ₽
                                                                                                                                                                                                                                                                                                                                                                                 Ą
                                                                                                                                                                                                                                                                                                                                                                                                                                                      B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ₹
                                                 No. 2.
                                                                                                                                                                                        404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                   404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              404;
No. 2.
                                                                                                                     404;
No. 2.
                                                                                                                                                                                                                                                            404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           404; DB 7;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                ĕ
                                                                                                                                                                                                                                                                                                                                        404;
                                                                                                                                                                                                                                                                                                                                                                                                  2.2e-21;
                                                                                                                                                                                                                                                                                                                                ; DB 7;
2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein
                                                                                                                                                                                                                                  protein
                                                 DB 7;
.2e-21;
                                                                                                                     DB 7;
.2e-21;
                                                                                                                                                                                        DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 7;
.2e-21;
                                                                                                                                                                                                                                                             рв
, 2е
                                                                                                                                                                                                                                                             -7;
-21;
                                                                                                                                                                                                                                   PRO245
                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                        Length
                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                          312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   312;
```

INC

```
Hest Local
RESULT 1011
                                                                                                                                      Query Match
Best Local Similarity
RESULT 1018
                                                                                                                                                                                                                 Best Local Similarity RESULT 1017
                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 1016
                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 1015
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 1012
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 1013
                                                           RESULT
                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                   Best Local Similarity
                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                             US200-1-
16-OCT-2003.
(GETH ) GENENTECH INC.
26.2%; (MATCh 29-14) 35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel human secreted and tra US2003194765-Al.
                       Human PRO polypeptide #168.
US2003207417-A1.
                                                                                                                                                                                Novel human secreted and transmembrane US2003194767-A1.
                                                                                                                                                                                                                                                                                                                                      Human PRO polypeptide #168.
US2003199023-Al.
23-OCT-200
                                                                                                                                                                                                                                                                                                                                                                                                                  Human PRO polypeptide #168.
US2003194772-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #168. US2003199056-Al.
                                                                                                         ADE33933 standard; protein; 312 AA.
Novel human secreted and transmembrane
US2003194791-A1.
                                                                                                                                                                                                                                                                  ADD91918 standard; protein;
Human PRO polypeptide #168.
US2003199053-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADD79433 standard; protein;
Human PRO polypeptide #168.
US2003203428-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC.
ry Match 26.
t Local Similarity 35.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
ry Match 26.2%;
Local Similarity 35.2%;
                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                               (GETH ) GENENTECH INC.
                                                                                                                                                                   GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                     -2003.

-2003.

) GENENTECH INC.

26.2%; 1
GENENTECH INC. 26.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                                                                                                            GENENTECH INC
                                                                  26.2%;
                                                                                                                                                                                                                           26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                        26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    26.2%;
                                                                                                                                               26.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        in; 312 AA.
transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                              312
                                                  312
                                                                                                                                                                                                                                                                                      312 AA
                                                                                                                                                                                                                                                                                                                                                                  312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      312
                                                                    Score
Pred.
                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
   Score 404;
                                                                                                                                                                                                                                                                                                                                                                  ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                              B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             No. ;
                                                                    404;
No. 2
                                                                                                                                               404;
No. 2.
                                                                                                                                                                                                                           404;
No. 2.
                                                                                                                                                                                                                                                                                                        404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                    404; DB 7;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 404; DB 7;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     N
                                                                                                                                                                                              protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein
                                                                                                                    protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 7;
..2e-21;
                                                                                                                                               DB 7;
.2e-21;
                                                                                                                                                                                                                            DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                         DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 7;
.2e-21;
                                                                    .2e
    BB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .
2e
                                                                     -21
-21
   7,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRO245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                            Length
                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               312;
                                                                                                                                                                                                                                     312;
```

```
Best Local Similarity RESULT 1028
                                                                                                                                                            Best Local Similarity RESULT 1027
                                                                                                                                                                                                                                             Best Local Similarity RESULT 1026
                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 1025
                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
RESULT 1024
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
RESULT 1023
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
RESULT 1022
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
RESULT 1021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
  Best Local Similarity
                                                                                               Query Match
                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                        US20U-1-2003.
23-OCT-2003.
(GETH) GENENTECH INC.
26.2%; (March 2-vity 35.2%;
                                                                                                                                                                                                                                                                                                                                     US2003.23-OCT-2003.
(GETH ) GENENTECH INC.
(GETH ) 26.2%;
(GETH ) 35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US2000.
24-APR-2003.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH 26.2%; 5
                                                                                                                                                                                                                                                  US2003123
23-OCT 2003.
(GETH ) GENENTECH INC.
26 2%;
4-tch 26 2%;
55.2%;
                                                                                                                     Human PRO polypeptide #168.
US2003203429-A1.
                                                                                                                                                                18200----
23-OCT-2003.
(GETH) GENENTECH INC.
26.2%;
26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human PRO polypeptide #168. US2003199025-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADD93022 standard; protein;
Human PRO polypeptide #168.
US2003194768-A1.
16-OCT-2003.
                                          ADE32829 standard; protein; 312 AA. Novel human secreted and transmembrane US2003194766-A1.
                                                                                                                                                                                                              ADE22761 standard; protein;
Human PRO polypeptide #168.
US2003199064-A1.
                                                                                                                                                                                                                                                                                                     Human PRO polypeptide #168.
US2003199050-*1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADE34697 standard; protein; 
Human secreted/transmembrane
US2003077583-A1.
                                                                                                                                                                                                                                                                                          US2003199059-A1.
23-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                          Human PRO polypeptide #168.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADE18890 standard; protein;
Human PRO polypeptide #168.
US2003199026-A1.
23-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH ) GENENTECH INC.
                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  119902

T-2003.

H) GENENTECH INC.

26.2*

1+v 35.2'
                      GENENTECH
I INC.
26.2%;
y 35.2%;
                                                                                   26.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          35.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .24
                                                                                                                                                                                                                                                                                                                                                                                                            312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      312
                                                                                                                                                   312 AA
                                                                                                                                                                                                                                      312 AA
                                                                                                                                                                                                                                                                                                                          312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   312 AA
                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                   Score
Pred.
                                                                                                                                                                                                                                                         Score
Pred.
  Score
Pred.
                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 404; DB 7;
Pred. No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pred.
                                                                                                                                                                                                                                                                                                                                                                                                             B
                                                                                                                                                                       No. 2.
                                                                                                                                                                                                                                                                                                                                              No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           404;
No. 2.
  404;
No. 2.
                                                                                    404;
No. 2.
                                                                                                                                                                                                                                                          404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                 404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        404; DB 7;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ŏ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #13.
                                                      protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 7;
.2e-21;
  DB 7;
.2e-21;
                                                                                     DB
2e
                                                                                                                                                                       DB 7;
.2e-21;
                                                                                                                                                                                                                                                           .2e
                                                                                                                                                                                                                                                                                                                                              DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 7;
.2e-21;
                                                                                     7;
-21;
                                                                                                                                                                                                                                                           -27,
21,
                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
           Length
                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                         Length
```

```
LETY N.
BEST LOCA.
RESULT 1035
ID ADG214
DE NOV'
PN T'
PD
PD
                                                                                                                                                                                                                                            Best Local Similarity
RESULT 1034
ID ADE92777 standard; p
DE Human PRO polypeptid
PN US2003194777-A1.
PD 16-OCT-2003
PA (GETH) GENENTECH IN
                                                                                                                                                                                                                                                                                                                             RESULT 1033
ID ADE0464
DE Human P
PN US20031
PD 23-OCT-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 1029
ID ADE4252
DE Human P
PN US20031
PD 23-OCT-
                                                                                                                                                                                                                                                                                                                                                                                                                                          веят Local Similarity
RESULT 1032
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 1031
                                                                                            PAPE
                                                                                                                                        Best Local Similarity RESULT 1036
                                                                                                                                                                                                                                                                                                                                                                                               PPREI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BBBBB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       BRBB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 1030
                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                   Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human PRO polypeptide #168. US2003199032-A1.
                                   ADF97462 standard; protein;
Human PRO polypeptide #168.
US2003207370-A1.
                                                                                                            ADG23127 standard; protein; 312 AA. Novel human secreted and transmembrane US2003207384-A1.
                                                                                                                                                                                                                                                                                                                                                                                                        Human PRO polypeptide #168. US2003199031-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human PRO polypeptide #168. US2003207418-A1.
                                                                                                                                                                                               ADG21486 standard; protein; 312 Novel human secreted and transme
                                                                                                                                                                                                                                                                                                                                               ADE04648 standard; protein;
Human PRO polypeptide #168.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADD89565 standard; protein;
Human PRO polypeptide #168.
US2003199028-A1.
                                                                                                                                                                                                                                                                       ADE92777 standard; protein;
Human PRO polypeptide #168.
                                                                                                                                                                              06-NOV-2003
                                                                                                                                                                                       US2003207355-A1.
                                                                                                                                                                                                                                                                                                                                        US2003199034-A1.
                                                                                          GETH ) GENENTECH
                                                                                                                                                                   GETH ) GENENTECH INC
                                                                                                                                                                                                                                             GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                    GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GETH ) GENENTECH INC.
                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Match
Local Similarity
ocal Similarity
                                                                                    Match
                                                                                                                                                                                                                        ocal Similarity
          Match
                                                                                                                                                                                                                                                                                                                                                                                      Match
                  GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                             GENENTECH
                                                                                                                                                                                                                                                                                                                                                                          1 INC.
26.2%;
y 35.2%;
                                                                                           INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  26.2%;
35.2%;
                                                                        26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    26.2%;
35.2%;
                                                                                                                                                26.2%;
                                                                                                                                                                                                                          26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                  26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            26.2%;
35.2%;
26.2%;
35.2%;
                                                                                                                                                                                               in; 312 AA.
transmembrane
                                                                                                                                                                                                                                                                                 312
                                                                                                                                                                                                                                                                                                                                                          312
                                                                                                                                                                                                                                                                                                                                                                                                                                  312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            312
                                                       312
                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
Score
Pred.
                                                                        Score
Pred.
                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                  ₽
                                                                                                                                                                                                                                                                                                                                                          B
                                                                                                                                                                                                                                                                                                                                                                                                                                  B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ጅ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ጅ
                                                                                                                                                                                                                                                                                                                                                                            404;
                                                                         404;
                                                                                                                                                 404;
No. 3
                                                                                                                                                                                                                                                                                                   404;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             404;
No. 2.
404; DB 7;
No. 2.2e-21;
                                                                                                                                                                                                                          404; DB 7;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   404; DB 7;
No. 2.2e-21;
                                                                         ; DB 7;
2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                            2.2e-21;
                                                                                                                                                N
                                                                                                                                                                                                                                                                                                   ; DB 7;
2.2e-21;
                                                                                                                                                                                               protein
                                                                                                                      protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 7;
.2e-21;
                                                                                                                                                 DB 7;
.2e-21;
        Length
                                                                                Length
                                                                                                                                                         Length
                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                   312;
```

```
Query Match
Best Local Similarity
RESULT 1043
                                        Best Local Similarity RESULT 1046
                                                                                                                    Best Local Similarity
RESULT 1045
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 1040
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 1039
                                                                                                                                                                                             Best Local Similarity RESULT 1044
                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 1042
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PA
PA
PA
PA
PA
PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       BBBBB
                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
                                                           Query Match
                                                                                                                                     Query Match
                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human PRO polypeptide #168.
US2003207372-A1.
06-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human PRO polypeptide #168. US2003207373-Al. 06-NOV-2003.
numan secreted and transmous2003207388-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (FONG/) FONG S.
(GODD/) GODDARD A.
(GURN/) GURNEY A L.
(NAPI/) NAPIER M A.
(TUMA/) TUMAS D.
                                                                                                                                                                Human secreted/transmembrane US2003054352-A1.
                                                                                                                                                                                                                                             Novel human secr
US2003207379-A1.
                                                                                                                                                                                                                                                                                                                       Novel human secr
US2003207381-A1.
                                                                                                                                                                                                                                                                                                                                                                                        ADH59180 standard; protein; 312 AA. Human secreted/transmembrane protei US2003039972-A1.
27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADH62536 standard; protein;
Human PRO245 protein encodec
US2003171568-A1.
                                                                                       US2003207386-A1.
                                                                                                ADI64986 standard; protein; 312 AA.
Novel human secreted and transmembrane
                                                                                                                                                           20-MAR-2003
                                                                                                                                                                                     ADI37959 standard;
                                                                                                                                                                                                                                                               ADH55818 standard;
                                                                                                                                                                                                                                                                                                                                         ADH55266 standard;
                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
ry Match 26.
t Local Similarity 35.
                                                                                                                                                                                                                           (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH )
                                                                                                                    3432.
2003.
) GENENTECH INC.
26.2%;
35.2%;
                                                                                                                                                                                                                                                                                 GENENTECH INC.
h 26.
Similarity 35.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENENTECH INC.
h 26.
Similarity 35.
                                                                    GENENTECH
                                                                                                                                                                                                                          GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                         WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ASHKENAZI A.
                                                                                                                                                                                                                                                                                                                            andard; protein;
secreted and tra
                                                                                                                                                                                                                                                      andard; protein; secreted and tra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              H INC.
26.1
35.2
                                                I INC.
26.2%;
y 35.2%;
                                                                                                                                                                                                      i INC.
26.2%;
y 35.2%;
                                                                                                                                                                                    protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                       35.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             encoded
                                                                                                                                                                                                                                                                                 . 2 %
                                                                                                                                                                                                                                                                                                                                                                                                                                       .24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .2%;
                      in; 312 AA.
transmembrane
                                                                                                                                                                                                                                                      in; 312 AA.
transmembrane
                                                                                                                                                                                                                                                                                                                                in; 312 AA.
transmembrane
                                                                                                                                                                                    312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            312 AA.
d by DNA35638 cDNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             312
                                                                                                                             Score
Pred.
                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                  Score
Pred.
                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                           protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                           protein,
                                                                                                                                                                                     Ŗ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3
                                                 404;
No. 2.
                                                                                                                             404;
No. 2.
                                                                                                                                                                                                       No. 2.
                                                                                                                                                                                                                                                                                                                                                             404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     404;
No. 2
                                                                                                                                                                                                                                                                                  404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                       404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                            #13
                      protein
                                                                                                 protein
                                                                                                                                                                                                                                                       protein
                                                                                                                                                                                                                                                                                                                                protein
                                                 DB 7;
.2e-21;
                                                                                                                             DB 7;
.2e-21;
                                                                                                                                                                                                       DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                   .2e-
                                                                                                                                                                                                                                                                                                                                                             DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                   7;
-21;
                      PRO245
                                                                                                  PRO245
                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                         Length
                                                                                                                                      Length
                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                           312;
                                                                                                                                                                                                                  312;
                                                                                                                                                                                                                                                                                             312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              312;
```

```
3 2 2 3 5
                                    Best Local Similarity RESULT 1055
                                                                                                                   Best Local Similarity RESULT 1054
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 1047
                                                                                                                                                                                                 Best Local Similarity RESULT 1053
                                                                                                                                                                                                                                                                                                                                                             Hest Local Similarity RESULT 1051
                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 1050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 1049
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 1048
                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                          Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                 US200000

08-MAY-2003.

(GETH ) GENENTECH INC.

(GETH ) GENENTECH 26.2%; (

"arch ''avity 35.2%;
                                                                                                                                                             Novel human secreted and transmembrane US2003087357-A1.
                                                                                                                                                                                                                                            Novel human secreted and transmembrane US2003087356-A1.
                                                                                                                                                                                                                                                                                                                                                                                                       Novel human secreted and transmembrane US2003087353-A1.
 Novel human secreted and tra
US2003207387-Al.
                                                                                                                                                                                                                                                                                                                          Novel human secreted and transmembrane US2003087385-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADM82516 standard; protein;
Novel human secreted and tra
US2003087355-A1.
08-MAY-2003.
                                                                              Novel human secreted and transmembrane US2003207385-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADH81347 standard; protein; 312 AA. Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US2003054349-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADJ26227 standard; protein; 312 AA.
Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US2003207377-A1.
                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC
                                                                                                                                               GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENENTECH
                                                                  GENENTECH
                                                                                                                                                                                                                                                                                                              GENENTECH INC
                               A INC.
26.2%
35.2%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 INC.
26.2%;
35.2%;
                                                                                                                                                                                                          26.2%;
                                                                                                                           26.2%;
35.2%;
                                                                                                                                                                                                                                                                                          26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      26.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     26.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       and transmembrane
                transmembrane
                            312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 312 AA.
                                              Score
Pred.
                                                                                                                           Score
Pred.
                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 404; DB 7;
Pred. No. 2.2e-21;
                                                                                                                                                                                                                                                                                          404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      404;
No. 2.
                                                                                                                           404;
No. 2.
                                                                                                                                                                                                          404;
No. 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    404;
No. 2.
                                               404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                        404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     404; DB 7;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #13.
                                                                                                                                                                                                           N
                protein PRO245
                                                                                              protein
                                                                                                                                                                             protein
                                                                                                                                                                                                                                                            protein PRO245
                                                                                                                                                                                                                                                                                                                                           protein
                                                                                                                                                                                                                                                                                                                                                                                                                         protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protein
                                                                                                                                                                                                          DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 7;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 7;
.2e-21;
                                                . 2e
                                                                                                                                                                                                                                                                                          .2e
                                                                                                                                                                                                                                                                                                                                                                          .2e
                                                                                                                            . 2e
                                               -7;
-21;
                                                                                                                                                                                                                                                                                                                                                                        7;
-21;
                                                                                              PRO245
                                                                                                                                                                              PRO245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRO245
                                                                                                                                   Length
                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 312;
                                                      Length
                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                     312;
                                                                                                                                                                                                                                                                                                                                                                                   312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               312;
```

```
Query Match
Best Local Similarity
RESULT 1064
                                                                                                                                                                                                                                                           Best Local Similarity RESULT 1063
                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 1062
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity RESULT 1061
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 1060
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 1059
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 1058
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 1057
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
RESULT 1056
                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US20000
15-MAY-2003.
(GETH) GENENTECH INC.
(GETH) 26.2%; (
March 26.2%; (
                                                                                                                                                                                                                                                                                                                                                Human PRO polypeptide #168. US2003211571-A1.
Human PRO polypeptide #168.
US2003092108-A1.
15-MAY-2003.
                                                                                                                                                                         ADE73242 standard; protein; 3
Human secreted/transmembrane
US2003129592-A1.
10-JUL-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADD86289 standard; protein;
Human PRO polypeptide #168.
US2003203440-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADD87885 standard; protein;
Human PRO polypeptide #168.
US2003092113-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADC81073 standard; protein; 312 AA. Novel human secreted and transmembrane US2003092115-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human secreted/transmembrane US2003130489-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                אטטיעים standard; protein;
Human PRO polypeptide #168.
US2001100000 "'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
                                                                                                                                                     (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                             (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADE79566 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US2003100087-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human secreted/transmembrane US2003135025-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADE79142 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1000b,

Y-2003.

H) GENENTECH INC.

26.2%;

*** 35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13502.
4) GENENTECH INC.
26.2%; 25.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ) GENENTECH INC. 26.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%; (25.2%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ) GENENTECH INC.
                                                                                                                                                                                                                                                                            GENENTECH INC. 26.2%; h 26.2%; Similarity 35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein;
                                                                                                           35
                                                                                                                                                                                                                                                                                                                                                                                                                                                    26.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             312 AA.
Ne protein,
                                                                      312
                                                                                                                                                                                                                                                                                                                                                                                                              312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   312
                                                                                                                                                                                                                                         312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          312 AA
                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                   protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ₹
                                                                                                              404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                        404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         No. 2.
                                                                                                                                                                                                                                                                                 404; DB 8;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  404; DB 8;
No. 2.2e-21;
                                                                                                                                                                                                                     #13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 7;
.2e-21;
                                                                                                                DB 8;
.2e-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .2e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .2e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -8;
-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8;
-21;
                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              312;
```

```
Al.

J GENENTECH

ACT LOCAL Similarity

RESULT 1071

ID ADE88647 standa

DE Human PRO r

PN US200317

PD 23-7

PA 23-7
                                                                                                                                                                                                                                                                                                                                 LARTY MA.
BEST LOCAL
RESULT 1069
ID ADE737'
DE Hum'
PN I''
PD
PD
                                                                                       Best Local Similarity
RESULT 1072
ID ADE99331 standard, p
DE Human secreted/trans
PN US2003211576-A1.
PD 13-NOV-2003
PA (GETH ) GENENTECH IN
                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 1068
ID ADE8919
DE Human PI
PN US200311
PD 23-OCT--
                                                            Best Local Similarity RESULT 1073
                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 1070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  веят Local Similarity
RESULT 1067
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 1066
                                                                                                                                                                                                                                                 PPPE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 1065
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human PRO polypeptide #168.
US2003092110-Al.
                                                                                                                                                                         Human PRO polypeptide #168.
US2003199054-A1.
COCT-2003.
                                                                                                                                                                                                                                                            Human PRO polypeptide #168.
US2003194794-A1.
16-OCT-2007
                                                                                                                                                                                                                                                                                                                                              ADE73777 standard; protein; 312 AA. Human secreted/transmembrane protei US2003148370-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human PRO polypeptide #168.
US2003203439-A1.
                             ADE94667 standard; protein;
Human PRO polypeptide #168.
US2003199027-A1.
                                                                                                           ADE99331 standard; protein; 312 AA. Human secreted/transmembrane protei US2003211576-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                   ADE89199 standard; protein;
Human PRO polypeptide #168.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human PRO polypeptide #168.
US2003092111-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADE24508 standard; protein;
                                                                    (GETH ) GENENTECH INC.

CY Match

Local Similarity 35.2%;
                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                        07-AUG-2003
                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                   US2003199062-A1
23-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Match
                                                                                                                                                                                                                    -2003.
) GENENTECH INC. 26.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9211.
-2003.
) GENENTECH INC.
26.2%; /
                                                                                                                                       26.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENENTECH INC
            GENENTECH
. INC.
26.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          i INC.
26.2%;
y 35.2%;
                                                                                                                                                                                                                                                                                                          26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      26.2%;
                                                                                                                                                                                                                                                                                                                                                                                      26.2%;
35.2%;
  .24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          312
                                                                                                                                                                                                                                                                                                                                                                                                                                                312
                                                   312
                                                                                                                                                                                                           312
                                                                                                                                                                                                                                                                                       312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                        protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 404;
Pred. No. 7
                                                                                                                     protein,
                                                                                                                                                 Score 404; DB Pred. No. 2.2e-
   Score
                                                   ጅ
                                                                                                                                                                                                                                                                                       B
                                                                                                                                                                                                                                                                                                                                                                                                                                                B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                              404;
No. 2
                                                                                                                                                                                                                                                                                                           404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           404;
No. 2.
                                                                      404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                       404; DB 8;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               404; DB 8;
No. 2.2e-21;
   404;
                                                                                                                      #13.
                                                                                                                                                                                                                              2.2e-21;
                                                                                                                                                                                                                                                                                                            DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 8;
.2e-21;
                                                                      DB 8;
.2e-21;
   DB
                                                                                                                                                  -21;
   8
•
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 312;
                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
   Length
                                                                               Length
                                                                                                                                                           Length
```

```
Query Match
Best Local S
RESULT 1079
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 1074
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 1078
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 1076
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity RESULT 1075
                                                                                                                                     Best Local Similarity RESULT 1082
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 1077
                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 1081
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Query Match
Best Local (
                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US2001-1-2003.
23-OCT-2003.
(GETH ) GENENTECH INC.
26.2%;
Match 26.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human PRO polypeptide #168.
US2003199052-A1.
23-CCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human PRO polypeptide #168.
US2003199060-A1.
23-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human PRO polypeptide #168. US2003199061-A1. 23-OCT-2003.
                                                                                                                                                                                                          Novel human secreted and tra. US2003199058-A1. 23-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                Human PRO polypeptide #168.
US2003199063-A1.
23-OCT-2003.
                                                                          ADE98877 standard; protein; Human secreted/transmembrane US2003211568-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADE92225 standard; protein; 312 AA. Novel human secreted and transmembrane US2003199051-A1.
23-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADE98450 standard; protein; 312 AA. Human secreted/transmembrane protein, US2003211569-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADF34910 standard; protein;
Human PRO polypeptide #168.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US2003199029-A1.
23-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH )
                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                     (GETH )
    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                     9903.

) GENENTECH INC.

26.2%;

25.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          -2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2003.
-2
                                                                                                                                                                                                                                                                                                       3900.
.2003.
) GENENTECH INC.
26.2*
.4+v 35.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENENTECH INC.
                                      GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                i INC.
26.2%;
y 35.2%;
                                      INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      26.2%;
35.2%;
                                                                                                                                                       35.
  35.
                                                                                                                                                                                                                                                        and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   35.2%;
                                                                                                                                                         .24;
                                                                                                                                                                                                                                                                                                                 .24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               312
                                                                                                                     312
                                                                                                                                                                                                                                                                             312 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                    312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
  Score
Pred.
                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 404; DB 8;
Pred. No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pred.
                                                                                               protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                    ⋛
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ጀ
                                                                                                                     ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ጀ
                                                                                                                                                           404;
No. 2
                                                                                                                                                                                                                                                                                                                 404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         404;
No. 2.
    404; DB 8;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              404; DB 8;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      404; DB 8;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ŏ.
                                                                                                   #13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       N
                                                                                                                                                                                                                                                        protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 8;
.2e-21;
                                                                                                                                                           . 2e-
                                                                                                                                                                                                                                                                                                                   .2e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         . 2e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8;
-21;
                                                                                                                                                         -21;
                                                                                                                                                                                                                                                                                                                 8;
-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRO245
                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             312;
                                                                                                                                                                                                                                                                                                                                       312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     312;
```

US2003207351-A1.

```
Best Local Similarity RESULT 1091
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BBBBB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PA PA PA
                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 1089
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 1088
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 1084
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 1085
                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US200320...
06-NOV-2003.
(GETH ) GENENTECH INC.
(GETH ) 26.2%;
Match 26.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US200310.
25-SEP-2003.
(GETH ) GENENTECH INC.
(GETH ) 26.2%; (26.2%; (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%); (26.2%
                                                                                                                        Human PRO polypeptide #168. US2003208055-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human PRO polypeptide #168.
US200320732-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human PRO polypeptide #168.
US2003207422-A1.
06-NOV-2007
                                                                                                                                                                                                                                                                                         Novel human secreted and transmembrane US2003207426-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADG20108 standard; protein;
Human PRO polypeptide #168.
US2003207376-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADF73741 standard; protein; 3 Human secreted/transmembrane US2003180312-A1.
ADG03416 standard; protein;
Human PRO polypeptide #168.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADG22038 standard; protein; 312 AA. Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US2003225253-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human secreted/transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADG40347 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /) GODDARD A.
/) GODOWSKI P J.
/) GURNEY A L.
/) MATHER J P.
/) WILLIAMS P M.
/) WOOD W I.
                                                                                                                                                                                                                                                              GENENTECH
                                                                                                 GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DESNOYERS
                                                        1 INC.
26.2%;
ty 35.2%;
                                                                                                                                                                                                                                                                INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ŗ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein;
                                                                                                                                                                                                                    26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               26.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      312 AA.
le protein,
                                                                                                                                                                                   312
                  312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          312 AA
                                                          Score
Pred.
                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protein,
                                                                                                                                                                                   ጅ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                404;
No. :
                                                          404;
No. 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     404;
                                                                                                                                                                                                                      404; DB 8;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; DB 8;
2.2e-21;
                                                            N
                                                                                                                                                                                                                                                                                                                      protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein
                                                          DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                  DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .2e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .2e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8;
-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                -8;
-21;
                                                                                                                                                                                                                                                                                                                          PRO245
                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            312;
```

```
Query Match
Best Local Similarity
RESULT 1100
                                                                                                           Query Match
Best Local Similarity
RESULT 1099
                                                                                                                                                                                          Best Local Similarity RESULT 1098
                                                                                                                                                                                                                                                                                                                                                       Best Loca
RESULT 1096
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local
RESULT 1094
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 1093
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 1092
                                                                                                                                                                                                                                                                         Best Local Similarity
ESULT 1097
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                          US20022

06-NOV-2003.

(OETH ) GENENTECH INC.

26-2%; (

Match 26-2%; (

Match 35.2%;
                                                                                                                                                    Novel human secreted and tra
US2003207424-A1.
                                                                                                                                                                                                                                                                                                                                                                                               Human PRO polypeptide #168. US2003207425-A1.
                                                                                                                                                                                                                     ADG13285 standard; protein;
Human PRO polypeptide #168.
US2003207357-A1.
06-NOV-2003.
(GETH) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADG16722 standard; protein;
Human PRO polypeptide #168.
US2003207359-A1.
06-NOV-2003.
                                                                                     ADG15512 standard; protein;
Human PRO polypeptide #168.
                                                                                                                                                                                                                                                                                                                 ADF73317 standard; protein; 3
Human secreted/transmembrane
US200316051-A1.
04-SEP-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADG05181 standard; protein;
Human PRO polypeptide #168.
US2003207375-A1.
06-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADF99137 standard; protein;
Human PRO polypeptide #168.
US2003207353-A1.
ADF96910 standard; protein;
Human PRO polypeptide #168.
US2003207371-A1.
                                                                               US2003219885-A1.
                                                           (GETH )
                                                                     27-NOV-2003
                                                                                                                                                                                                                                                                                                        (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETH
                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    320735_

JV-2003.

H) GENENTECH INC.

26.2%;

4+v 35.2%;
                                                                                                             .20742.
V-2003.
A) GENENTECH INC.
26.2%; ...
4+v 35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                     ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                       GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENENTECH
                                     I INC.
26.2%;
y 35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 INC.
26.2%;
35.2%;
                                                                                                                                                                                                                                                                                  26.
35.
                                                                                                                                                                                                   26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                  26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               26.2%;
                                                                                                                                                                                                                                                                                    24
                                                                                                                                                                       transmembrane
                    312
                                                                                                                                                                                 312
                                                                                                                                                                                                                                                                312
                                                                                                                                                                                                                                                                                                                                               312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        312
                                                                                                  312
                                                                                                                                                                                                                                                                                                                                                                                                                            312
                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                      Score
Pred.
                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                   protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                       Score 404; DB 8; Pred. No. 2.2e-21;
                                                                                                                                                                                 A
                                                                                                                                                                                                                                                                                                                                               £
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ያ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ₹
                                                                                                                                                                                                     404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                  No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            404;
No. 2.
                                                                                                                                                                                                                                                                                    404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 ŏ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          404;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               404; DB 8;
No. 2.2e-21;
                                                                                                                      404; DB 8;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                     #13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                2.2e-21;
                                                                                                                                                                      protein
                                                                                                                                                                                                     . 2e
                                                                                                                                                                                                                                                                                   .2e
                                                                                                                                                                                                                                                                                                                                                                 .2e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .2e-
                                                                                                                                                                                                                                                                                                                                                                 -21;
                                                                                                                                                                                                     8;
-21;
                                                                                                                                                                                                                                                                                     8;
-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8;
-21;
                                                  Length
                                                                                                                              Length
                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        312;
```

```
RESULT
ID AD
DE NO
PN US
PD 06
                                                                                                                                                                                                                                                                                                                                                           RESULT
ID AD
DE NO
PN US
PD 06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local S
RESULT 1103
                                                                     RESULT
ID AD
DE NC
PN US
PD 06
                                                                                                                                                                                                                 RESULT
ID AD
DE NO
PN US
PD 06
                                                                                                                                   PPREI
                                                                                                                                                                             RESULT 1107
                                                                                                                                                                                                                                                                                                                                                                                                                                 BBBB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 1102
                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local :
                                          Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                           Novel human secreted and tra
US2003207356-A1.
                                                                                                                                                                                                                                                                                        Novel human secreted and transmembrane US2003207350-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                ADG03968 standard; protein;
Human PRO polypeptide #168.
US2003207423-A1.
06-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human PRO polypeptide #168.
US2003207374-A1.
06-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                             Novel human secreted and transme US2003207427-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADG23679 standard; protein; 312 AA. Novel human secreted and transmembr
ADG61981 standard; protein; 312 AA. Novel human secreted and transmembrane US2003207428-A1. 06-NOV-2003.
                                                                                                                                                             Novel human secreted and
                                                                                                                                                                     ADG55213 standard;
                                                                                                                                                                                                                                                                           06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                              JS2003207390-A1.
                                                                                                ADG60877 standard;
                                                                                                                                   (GETH )
                                                                                                                                                   US2003194778-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               JS2003207389-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                          Local Similarity
                                                                                                                                                                                      Local Similarity
                                                                                                                Local Similarity
                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                          Match
                                                                                                                                                                              0735-
-2003.
) GENENTECH INC.
26.2%;
25.2%;
                                                                                                                                  GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                        GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENENTECH
                                                            GENENTECH
                                                                                     andard; protein;
                                         Y 35.2%;
                                                                                                                1 INC.
26.2%;
y 35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INC.
26.2%;
y 35.2%;
                                                                                                                                                                    protein; 312
                                                                                                                                                                                                                                                           26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                      26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       and transmembrane
                                                                                      in; 312 AA.
transmembrane
                                                                                                                                                                                                                                  transmembrane
                                                                                                                                                                                                                                                                                                                                                                            in; 312 AA.
transmembrane
                                                                                                                                                             transmembrane
                                                                                                                                                                                                                                           312
                                                                                                                                                                                                                                                                                                                                                                                                                                                           312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      312 AA
                                           Score
Pred.
                                                                                                                 Score
Pred.
                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 404; DB 8;
Pred. No. 2.2e-21;
                                                                                                                                                                    ξ,
                                                                                                                                                                                                                                           A
                                                                                                                                                                                                                                                                                                                                                                                                                                                           ₿
                                                                                                                                                                                                                                                            404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  404;
No. 2.
                                           404;
No. 2.
                                                                                                                                                                                                                                                                                                                                 404;
No. 2.
                                                                                                                404; DB 8;
No. 2.2e-21;
                                                                                                                                                                                       404; DB 8;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                       404; DB 8;
No. 2.2e-21;
                 protein PRO245
                                                                                      protein
                                                                                                                                                             protein
                                                                                                                                                                                                                                 protein
                                                                                                                                                                                                                                                                                                        protein
                                                                                                                                                                                                                                                                                                                                                                             protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein
                                                                                                                                                                                                                                                                                                                                 DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 8;
.2e-21;
                                           2e
                                                                                                                                                                                                                                                            DB
2e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2e
                                           -8;
-21;
                                                                                                                                                                                                                                                            -21
21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   -21;
                                                                                                                                                                                                                                                                                                        PRO245
                                                                                                                                                              PRO245
                                                                                                                                                                                                                                   PRO245
                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 312;
                                                                                                                          Length 312;
                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                         Length
                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                312;
                                                                                                                                                                                                 312;
                                                                                                                                                                                                                                                                      312;
                                                                                                                                                                                                                                                                                                                                           312;
```

```
uery Match
Best Local Similarity
RESULT 1110
ID ADG92160 stan<sup>2</sup>
DE Human ser
PN US20<sup>2</sup>
                                          Best Local Similarity RESULT 1118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 1112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 1111
PAPED
                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 1113
                                                                                                                      Query Match
Best Local Similarity
RESULT 1117
                                                                                                                                                                                                Best Local Similarity RESULT 1116
                                                                                                                                                                                                                                                                           Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                       RESULT 1114
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                              Novel human secreted and transmembrane US2003207420-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADG82182 standard; protein;
Human PRO polypeptide #168.
US2003207358-A1.
06-NOV-2003.
                                                                                                                                                                                                                                              ADG58525 standard; protein; 312 AA. Novel human secreted and transmembr US2003207368-A1.
                                                                                                                                                                                                                                                                                                                                                                                                  ADG56869 standard; protein; Novel human secreted and tra
US2003207364-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADG57421 standard; protein; Novel human secreted and traus2003207362-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADG92160 standard; protein; 312 AA. Human secreted/transmembrane protein,
                                                                                           Human secreted/transmembrane US2003027146-A1.
                                                                                                                                                                                                                                                                                                                                    ADG55765 standard; protein; 312 AA. Novel human secreted and transmembrane
                                                                                                               ADG92587 standard; protein;
                                                                                                                                                                                                                                                                                                                          US2003207365-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      06-NOV-2003.
                US2003207363-A1.
                          Novel human
                                  ADG57973 standard;
                                                                         (GETH )
                                                                                                                                                    (GETH )
                                                                                                                                                                                                                               (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETH )
                                                                                                                                                                                                                                                                                                         GETH )
                                                                                                                                                                                                                                                                                                                                                               ocal Similarity
                                                                                                                                                                                                                                                                            0730-
-2003.
) GENENTECH INC. 26.2%; 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2714

-2003.

) GENENTECH INC.

26.2%;

25.2%;
                                                                                                                                                                                                                             GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENENTECH INC.
                                                                                                                                                   GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                 GENENTECH INC.
                                                                        GENENTECH
                          andard; protein; secreted and tra
                                                    H INC.
26.2%;
ty 35.2%;
                                                                                                                               1 INC.
26.2%;
ty 35.2%;
INC
                                                                                                                                                                                                          26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                              26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    26.2%;
35.2%;
                                                                                                                                                                                                                                                          and transmembrane
                          in; 312 AA.
transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        in; 312 AA.
transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                              transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                      312 AA.
                                                                                                               312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            312 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                     Score
Pred.
                                                                                                                                Score
Pred.
                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                    protein,
                                                      No. 2.
                                                                                                                                                                                                           No. 2
                                                                                                                                                                                                                                                                                                                                                               No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                          404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    404;
No. 2
                                                                                                                                 404;
No. 2.
                                                                                                                                                                                                                                                                                      404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #13
                                                                                                     #13
                          protein
                                                                                                                                                                               protein
                                                                                                                                                                                                                                                          protein
                                                                                                                                                                                                                                                                                                                                     protein
                                                                                                                                                                                                                                                                                                                                                                                                              protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein
                                                      DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 8;
.2e-21;
                                                                                                                                  . 2e-
                                                                                                                                                                                                            .2e-
                                                                                                                                                                                                                                                                                      . 2e-
                                                                                                                                                                                                                                                                                                                                                               .2e-
                                                                                                                                                                                                                                                                                                                                                                                                                                            .
2 B
                                                                                                                                                                                                                                                                                                                                                               8;
-21;
                                                                                                                                                                                                             -21;
                                                                                                                                                                                                                                                                                       -21,
                                                                                                                                  -21,
21,
                                                                                                                                                                                                                                                                                                                                                                                                                                           21.8
1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRO245
                           PRO245
                                                                                                                                                                                                                                                                                                                                     PRO245
                                                                                                                                                                                PRO245
                                                                                                                                                                                                                                                            PRO245
                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 312;
                                                              Length
                                                                                                                                         Length
                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                          312;
                                                                312;
                                                                                                                                           312;
                                                                                                                                                                                                                      312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    312;
```

```
Best Local Similarity RESULT 1126
                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 1124
                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 1123
                                                             Best Local Similarity
RESULT 1127
                                                                                                                                                                                                              RESULT 1125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 1121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 1120
                                                                                                                                                                                                                                                                                                                                                                                Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US200020
06-NOV-2003
(GETH') GENENTECH INC.
(GETH') 26.2%; (
Match 26.2%; (
                                                                                                                                                                                                                                              Novel human secreted and tra
us2003207414-A1.
06-NOV-2003.
                                                                                                                                                                      Novel human secreted and transmembr. US2003207416-A1. 06-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                   Human PRO polypeptide #168. US2003077723-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel human secreted and transmembrane US2003207421-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel human secreted and tra
US2003207415-Al.
                                  ADG56317 standard; protein; 312 AA.
Novel human secreted and transmembrane
US2003207366-A1.
                                                                                                           ADG81078 standard; protein;
Human PRO polypeptide #168.
US2003194793-A1.
                                                                                                                                                                                                                                                                                                                                   Novel human secr
US2003207419-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADG81630 standard; protein;
Human PRO polypeptide #168.
                                                                                                                                                                                                                                                                                                                                                     ADH11959 standard;
                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                         (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                 GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                 Match
                                                                                                                                                                                                                                                                                                                                                                                                                                              ocal Similarity
                 GENENTECH INC.
                                                                                         GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                        GENENTECH
                                                                                                                                                                                                                                                                                                                                       andard; protein;
secreted and tra
                                                                                                                                                                                                                                                                                                                                                                    H INC.
26.2%;
ty 35.2%;
                                                                     26.2%;
                                                                                                                                              26.2%;
35.2%;
                                                                                                                                                                                                                      26.2%;
35.2%;
                                                                                                                                                                                                                                                                                               26.2%;
35.2%;
26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                             26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     26
35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26.2%;
35.2%;
                                                                                                                                                                                           and transmembrane
                                                                                                                                                                                                                                                                                                                                           and transmembrane
                                                                                                                                                                                                                                                                    in; 312 AA.
transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          312
                                                                                                                             312
                                                                                                                                                                                                                                                                                                                                                     312 AA.
Score
Pred.
                                                                      Score
Pred.
                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                             ጅ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ₹
                                                                                                                                                                                                                                                                                                                                                                                                                            3
404;
No. 2.
                                                                                                                                              404;
No. 2.
                                                                       404;
No.
                                                                                                                                                                                                                       404;
No. 2.
                                                                                                                                                                                                                                                                                              404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                      404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                              404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             404;
No. 2
                                                                       N
                                                                                                                                                                                           protein
                                                                                                                                                                                                                                                                    protein
                                                                                                                                                                                                                                                                                                                                           protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein
                                             protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein
DB 8;
.2e-21;
                                                                                                                                              DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                               DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 8;
.2e-21;
                                                                      .2e-
                                                                                                                                                                                                                       .2e-
                                                                                                                                                                                                                                                                                                                                                                       2e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .2e
                                                                      -21;
                                                                                                                                                                                                                                                                                                                                                                       -21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .
21
21
                                                                                Length
                                                                                                                                                       Length
                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 312;
                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
         312;
                                                                                 312;
                                                                                                                                                                                                                                312;
                                                                                                                                                                                                                                                                                                        312;
```

```
Query Match
Best Local Similarity
RESULT 1135
                                                                                                                                                                                                                                       Best Local Similarity RESULT 1134
                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 1133
                                                                                                                                                                                                                                                                                                                                                                                                Best Loca
RESULT 1132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 1131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Loca
RESULT 1129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 1128
                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                    Human secreted/transmembrane US2003215904-A1.
                                                                                                                                                                                                                                                                                                                                                             Novel human secreted and transmembrane US2003207369-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel human secreted and transmembr US2003207367-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel human secreted and transmembi US2003207429-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADH12583 standard; protein; 312 AA. Novel human secreted and transmembrane US2003207378-A1.
                                                                                                                                                                                                         Human secreted/transmembrane US2004006211-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADH28516 standard; protein;
Human PRO polypeptide #168.
US2003022331-A1.
 ADH06804 standard; protein; 312 AA.
Human secreted/transmembrane protei
                                                                                                                                                                                                                             ADH07231 standard; protein;
                                                                                                                                                                                                                                                                                        US2004005553-A1.
                                                                                                                                                                                                                                                                                                  Human secreted/transmembrane
                                                                                                                                                                                                                                                                                                           ADH20376 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                    2003;
) GENENTECH INC.
26.2%;
                                                                                                                                                                                                                                                                    ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ) GENENTECH INC.
                                                                                                                                    GODDARD A.
GODOWSKI P J.
GURNEY A L.
MATHER J P.
WILLIAMS P M.
                                               GENENTECH
                                                                                                                                                                                      DESNOYERS
                           I INC.
26.2%;
y 35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                inc.
26.2%;
y 35.2%;
                                                                                                                                                                                     ۲
                                                                                                                                                                                                                                                                                                           protein;
                                                                                                        26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    26.2%;
                                                                                                                                                                                                                                                26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                          35.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      35
                                                                                                                                                                                                                                                                                                                                                                                                                                                          and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     and transmembrane
                                                                          312 AA.
e protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                312
                                                                                                                                                                                                                             312 AA
                                                                                                                                                                                                                                                                                                          312 AA
protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                            Score
Pred.
                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                         Score 404; DB 8;
Pred. No. 2.2e-21;
                                                                                                                                                                                                                                                Score 404;
Pred. No. 2.
                                                                                                                                                                                                                                                                                                 protein,
                                                                                                                                                                                                                   protein,
                             404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                          404;
No. 2.
                                                                                                                                                                                                                                                                                                                              404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  404;
No. 2
                                                                                                                                                                                                                                                                                                  #13.
 #13
                                                                                                                                                                                                                                                                                                                                                                            protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein
                             DB 8;
.2e-21;
                                                                                                                                                                                                                                                 DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                                                              2e-
                                                                                                                                                                                                                                                                                                                                                                                                          DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        . 2e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB
.2e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .2e
                                                                                                                                                                                                                                                                                                                               21,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      -21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        -21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  21,
                                     Length
                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
```

```
PD 22-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ol-Al.
2003.

LH ) GENENTECH .
2003.

LH ) GENENTECH .
2003.

LY Match
Best Local Similarity
RESULT 1138
RESULT 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   JAMS:
WOOD W I.
WATCH
JEST LOCAL SIMILARITY
RESULT 1137
ID ADIB 1125 Stand
DE Human PRO
PN US200
                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT
ID AI
DE NC
PN US
PD 15
PA (C
                                                                                                                                                                                                                                                      Best Local Similarity RESULT 1143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BBBB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GODD/) GODDARD A. (GODD/) GODOWSKI P J. (GURN/) GURNEY A L. (MATH/) MATHER J P. (WILL/) WILLIAMS P M. (WOOD/) WOOD W I.
                                                                                                                                                                                                                                                                                                                                             ADH97333 standard; protein; 312 AA. Human secreted/transmembrane proteing US2003190610-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADI65266 standard; protein; 312 AA. Human secreted/transmembrane proteins2003148419-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human PRO polypeptide #168. US2003207361-A1.
                                                               ADG09216 standard; protein; Novel human secreted and tra
                                                                                                                                                                                                                ADI15339 standard; protein; Novel human secreted and tra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADI37529 standard; protein; 312 AA Human secreted/transmembrane proteius2003096340-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADI18546 standard; protein; 312 AA.
Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADG09868 standard; protein; 312 AA.
Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETH) GENENTECH INC.

26.2%;
ry Match 26.2%;
t Local Similarity 35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          JS2004005665-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9061-
2003.
) GENENTECH INC.
26.2%; 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DESNOYERS L.
                                                                                                                                                            INC.
                                                                                                                     26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                    26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     26.2%;
35.2%;
                                                                                                                                                                                                                   transmembrane
                                                                 transmembrane
                                                                                  312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                protein,
                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                . ₿
                                                                                                                                                                                                                                   ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ₹
                                                                                                                                                                                                                                                                                                                                                                                                                    404; DB
No. 2.2e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         404;
No. 2
                                                                                                                                                                                                                                                                       404;
No. 2.
                                                                                                                       404; DB 8;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       404; DB 8;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        404; DB 8;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         404; DB 8;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    404; DB 8;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                  #13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2.2e-21;
                                                               protein
                                                                                                                                                                                                                protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein
                                                                                                                                                                                                                                                                       DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                        8;
-21;
                                                                                                                                                                                                                   PRO245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            312;
```

```
Query Match
Best Local S
RESULT 1145
                                                                                                                                                                                                                               Best Local Similarity RESULT 1150
                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 1148
                                                                                                                                                  Best Local Similarity RESULT 1151
                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 1149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 1147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 1146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GURN/) GURNEY A L.
(MATH/) MATHER J P.
(WILL/) WILLIAMS P M.
(WOOD/) WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADI14671 standard; protein; 312 AA. Novel human secreted and transmembrane US2003207383-A1.
                                       Human secreted/transmembrane US2003190611-A1.
                                                                                                                    ADJ63547 standard; protein; 312 AA.
Novel human secreted and transmembrane
US2004039164-A1.
                                                                                                                                                                                         ADM25031 standard; protein; 312
Human secreted/transmembrane pro
US2003096233-A1.
22-MAY-2003.
                                                                                                                                                                                                                                                                        US2003186358-A1.
02-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                     US2003187238-A1.
02-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                          Novel human secrus2003207349-A1.
                                                                                                              26-FEB-2004
                                                                                                                                                                                                                                                                                          Human secreted/transmembrane protein,
                                                                                                                                                                                                                                                                                                                                                                       Human secreted/transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADH60436 standard; protein;
                                                          ADM29777 standard; protein;
                                                                                                                                                                                                                                                                                                   ADL08686 standard, protein; 312 AA.
                                                                                                                                                                                                                                                                                                                                                                                ADJ99493 standard; protein; 312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADI18266 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US2004023331-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human secreted/transmembrane
                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC.
Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                           073-
-2003.
) GENENTECH INC.
26.2%; /
25.2%;
                                                                                                                                                  ) GENENTECH INC. 26.2%; / 25.2%; / 35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DESNOYERS L.
GODDARD A.
GODOWSKI P J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Similarity
                    GENENTECH INC.
                                                                                                  GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                           GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                  andard; protein;
secreted and tra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  H INC.
26.1
35.2
 26.2%;
35.2%;
                                                                                                                                                                                                                                         26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                       26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      26.2%;
                                                                               35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                26.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     and transmembrane protein
                                                              312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       312
                                                                                                                                                                                                                                                                                                                                                                                                                                                               312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
 Score
Pred.
                                                                               Score
Pred.
                                                                                                                                                                                                            protein,
                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                      protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                  protein,
                                                                                                                                      Ą
                                                                             a 404;
  404;
No. 2
                                                                                                                                                             404;
No. 2.
                                                                                                                                                                                                                                         404;
No. 2.
                                                                                                                                                                                                                                                                                                                        404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                    404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          404;
No. 2.
                                                                                                                                                                                                                                                                                           #13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #13.
                                                                                                                                                                                                                                                                                                                                                                        #13
                                                                                                                               protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein
   DB 8;
.2e-21;
                                                                                                                                                                                                                                          DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                                                        DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                    DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 8;
.2e-21;
                                                                                         BB
                                                                                2e-
                                                                                                                                                              .2e
                                                                               -8;
-21;
                                                                                                                                                              .-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
           Length 312;
                                                                                                                                                                     Length
                                                                                        Length
                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                312;
```

```
Best Local Similarity
RESULT 1157
  ID PA PA PA PA
                                                                                                                                                                                Best Local Similarity RESULT 1160
                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 1159
                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 1158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity RESULT 1154
                                                                                               RESULT 116:
                                                                                                                                                                                                                                                                                                                                    BB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 1156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 1155
                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query
                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US2004...
11-MAR 2004.
(GETH ) GENENTECH INC.
26.2%; 5
MATCh 'THY 35.2%;
                                                                                                                                                                                                                                                                      W0200405...
15-APR-2004.
(GETH ) GENENTECH INC.
(GETH ) 26.2%; (
26.2%; (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US20040---
26-PBB-2004.
(GETH ) GENENTECH INC.
26-2%;
44-ch ....icy 35.2%;
                                                                                                                                                                                                                                                                                                                                                                                 AD006099 standard; protein;
Human PRO polypeptide #11.
US6686451-B1.
03-PEB-2004.
(GETH) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human PRO polypeptide #168.
US2004058424-A1.
25-MAR-2004
                                                                                                                                                                                                                            Human PRO polypeptide #168.
US2004077064-A1.
22-App----
                                                                                                                                                                                                                                                                                                                Human PRO245 protein;
WC2004031105-A2.
15-App-2004
(ASHK/) ASHKENAZI A. (BOTS/) BOTSTEIN D. (DESN/) DESNOYERS L. (EATO/) EATON D L. (FERR/) FERRARA N.
                                                    US2004147017-A1.
29-JUL-2004.
                                                                         Human secreted/transmembrane protein,
                                                                                                                                                 ADR10951 standard; protein; 3 Human secreted/transmembrane US2004137561-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADM27700 standard; protein;
Human PRO polypeptide #168.
US2004048333-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADJ65564 standard; protein;
Human PRO polypeptide #168.
US2004038335-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADJ77442 standard; protein;
Human PRO polypeptide #168.
US2004038336-A1.
                                                                                                                                                                                                                           22-APR-2004.
                                                                                   ADR17860 standard; protein; 312 AA
                                                                                                                            (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                          5842-
-2004.
) GENENTECH INC.
26.2%;
-4+v 35.2%;
                                                                                                                                                                                                               GENENTECH INC.
                                                                                                       26.2%;
35.2%;
                                                                                                                                                                                          26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                  26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              26.2%;
35.2%;
                                                                                                                                                          312 AA.
we protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               312
                                                                                                                                                                                                                                                         312
                                                                                                                                                                                                                                                                                                                                              312
                                                                                                                                                                                                                                                                                                                                                                                                                                 312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           312 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    312 AA
                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                          Score 404; DB 8; Pred. No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 404;
Pred. No. 7
                                                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ₽
                                                                                                                                                                                                                                                                                                                                              8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             404;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               404;
No. 2.
                                                                                                        404;
No. 2
                                                                                                                                                                                                                                                                              404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                  404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     404;
No. 2
                                                                                                                                                                                                                                                                              ; DB 8;
2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; DB 8;
2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2.2e-21;
                                                                                                        ; DB 8;
2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                  DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     312;
                                                                                                                                                                                                                                                                                           312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       312;
```

```
Best Local Similarity
RESULT 1166
                                                                                                                                                                                                                      Query Match
Best Local Similarity
RESULT 1165
                                                                                                                                                                                                                                                                                     Best Loca
RESULT 1164
                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 1163
                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
RESULT 1162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                       Query Match
                                                                                                                                                                                             Human PRO245 protein.
AU2003259607-A1.
                                                                                                                                                                                                                                                                                                                             ADI96320 standard; protein; 312 AA.
Novel human secreted and transmembrane
US2003207354-A1.
                                                                                        (BOTS/)
(DESN/)
(EATO/)
                                                                                                                               ADS74499 standard; protein; 312 AA. Human secreted/transmembrane protein US2004185531-A1.
                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                              Human secreted/transmembrane US2003148371-A1.
                                                                                                                                                                                                                                                                                                                                                                              (GETH
                                                                                                                                                                                                                                                                                                                                                                                             ADI95768 standard; protein;
Human PRO polypeptide #168.
US2003077659-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (FILV/)
(FONG/)
(GAOW/)
(GERB/)
                       (GERB/)
(GERR/)
(GODD/)
(GODO/)
                                                                                                                                                                                                             ADT94237 standard; protein;
                                                                                                                                                                                                                                                                               ADI65693 standard; protein;
                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                              (WOOD/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (STEW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GOB)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GERR/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (MATH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GRIM,
                                                                 (FONG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                              (TOMA/)
                 GRIM/
                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                                                                                                                      ) GENENTECH INC. 26.2%; / 35.2%;
GERRITSEN M E.
GODDARD A.
GODOWSKI P J.
GRIMALDI C J.
GURNEY A L.
HILLAN K J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           ROY M A.
STEWART T A.
TUMAS D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GERRITSEN M E.
GODDARD A.
GODOWSKI P J.
GRIMALDI C J.
GURNEY A L.
HILLAN K J.
KLJAVIN I J.
                                                                       ASHKENAZI A.
BOTSTEIN D.
DESNOYERS L.
EATON D L.
FERRARA N.
FILVAROFF E.
                                                                                                                                                                                                                                              GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                              WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GAO W.
                                                 GERBER H.
                                                         GAO W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      WILLIAMS P M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILVAROFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PAONI N F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MATHER J P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GERBER H.
                                                                  PONG
G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PAN J.
                                                                တ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    co
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ж
Н
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ħ
                                         M
                                                                                                                                                              35.
                                                                                                                                                                                                                              35
                                                                                                                                                                                                                                                                                              26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                              26.2%;
                                                                                                                                                                                                                              24
                                                                                                                                                                                                                                                                                                                                                                                                              312
                                                                                                                                                                                                               312 AA
                                                                                                                                                                                                                                                                               312 AA
                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                      protein,
                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                               Score 404;
Pred. No. 2.
                                                                                                                                                                                                                                                                                                                                                              No. 2.2e-
                                                                                                                                                                                                                              404;
No. 2.
                                                                                                                                                                                                                                                                                               404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                              404; DB 8;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                      protein
                                                                                                                                                              .2e-
                                                                                                                                                                                                                                DB 8;
.2e-21;
                                                                                                                                                                                                                                                                                               .2e-
                                                                                                                                                             8;
-21;
                                                                                                                                                                                                                                                                                               -21;
                                                                                                                                                                                                                                                                                                                                                               -21;
                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 312;
                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                        312;
```

```
Best Local Similarity
RESULT 1168
ID ADT03256 standard; F
DE Human PRO polypeptic
PN US2004214269-A1.
PD 28-OCT-2004.
                                                                                                                                                                                                                                                                                                                     RESULT 1170
ID ADZ0330
DE Human s
PN US20050
PD 07-APR-
PA (GETH )
Best Local Similarity
RESULT 1169
                                                                                                                                                                                                                                                                                                                                                                                                            PR BE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                  (BAKE/) BAKER K P.
(BERE/) BEFORSINI M.
(DEFO/) DEFORGE L.
(DESN/) DESNOYERS L.
(FILV/) FILVAROFF B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADT03256 standard; protein; 312 AA Human PRO polypeptide #168. US2004214269-A1.
                                                                                                                                                                             AEB14053 standard; protein; Cancer cell diagnosis methocus2005153396-A1.
                                                                                                                                                                                                                                                          Human secreted/transmembrane US2005112725-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                    ADT03536 standard; protein; 312 AA Human secreted/transmembrane proteins2003152922-A1.
                                                                                                                                                                                                                                                                                                                                                  ADZ03307 standard; protein; 312 AA.
Human secreted/transmembrane PRO245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADS32272 standard; protein; 312 AA.
Novel human secreted and transmembrane
                                                          (GURN/)
                                                                                                                                                                                                                                                                              AEA37774 standard; protein; 312 AA
                                                                                                                                                                                                                                                                                                                                         US2005074837-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US2004203125-A1.
                                                                                                                                                                                                                                        GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                 GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                               Match
                                                                                                                                                                                                                                                                                                                                                                              ocal Similarity
                                                                                                                                                                                                                                                                                        -2005.

) GENENTECH INC.

26.2%;

24-v 35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  KLJAVIN I J.
MATHER J P.
PAN J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PAONI N F.
ROY M A.
STEWART T A.
TUMAS D.
                                                         GURNEY A L. SHERWOOD S.
                                                                                                         GAO W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WILLIAMS P M. WOOD W I.
                                                                             GODDARD A.
GODOWSKI P J.
          WATANABE C K.
                              TUMAS D.
                                                  SMITH V.
                                                                                                GERRITSEN M E.
                                       STEWART T A.
                                                                                                                                                                                                                    26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                              26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      26.2%;
35.2%;
                                                                                                                                                                                        method-related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                     protein,
                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                              protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                     404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          404;
No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      404;
No. 2
                                                                                                                                                                                                                                                                                                                                                                               404; DB 8;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           404; DB 8;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                 404; DB 9;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                  protein
                                                                                                                                                                                        human
                                                                                                                                                                                                                                                                      #13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein
                                                                                                                                                                                                                     DB 9;
2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 8;
.2e-21;
                                                                                                                                                                                        protein
                                                                                                                                                                                                                                                                                                                                                                                        Length 312;
                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                         SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 312;
                                                                                                                                                                                          片
                                                                                                                                                                                          336
```

```
Best Local Similarity RESULT 1181
                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 1178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
RESULT 1173
                                                                                                                                         Query Match
Best Local Similarity
RESULT 1180
                                                                                                                                                                                                                                                                                                                                                                                         Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
RESULT 1176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 1175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity RESULT 1174
                                                                                                                                                                                                                          Best Local Similarity RESULT 1179
                                                                              Query Match
                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human junction adhesion molecule WO2004053058-A2.
                            ABG22341 standard; protein; 388 Novel human diagnostic protein WO200175067-A2.
                                                                                                           ABB06037 standard; protein; Human NS protein sequence S W0200206315-A2.
                                                                                                                                                                                            Murine confluency regulated WO200053749-A2.
                                                                                                                                                                                                                                                                          Human confluency WO200053749-A2.
                                                                                                                                                                                                                                                                                   AAB27273 standard; protein; Human confluency regulated
                                                                                                                                                                                                                                                                                                                                                         AAB27277 standard; protein; Human confluency regulated w0200053749-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                         Angiogenesis protein WO200111086-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human polypeptide WO200153312-A1.
        11-OCT-2001.
(HYSE-) HYSEQ
                                                                                                                                                                                                               AAB27275 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB70500 standard; protein; 215 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  26-JUL-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO200073452-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human PRO245 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB50904 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              24-JUN-2004
                                                                                                                                                                       (RMFD-) RMF DICTAGENE SA.
                                                                                                                                                                                                                                                         14-SEP-2000
(RMFD-) RMF
                                                                                                                                                                                                                                                                                                                                                                                                                       (EOSB-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAM41947 standard;
                                                                                                                                                                                                                                                                                                                                       (RMFD-) RMF DICTAGENE SA.
                                                                                                                                                                                                                                                                                                                                                                                                                                15-FEB-2001
                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RMF DICTAGENE SA.
h 25.3%;
Similarity 33.4%;
                                                                                                                                                                                                                                                                                                                                                                                                EOS BIOTECHNOLOGY IN 25.6%; Similarity 39.4%;
                                                                                         COMPUGEN LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITTA & CO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  seQ ID NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ELI.
26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                   25.4%;
39.7%;
                                                                                                                                                    25.3%;
                                                                    33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              26.2%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 25.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAA1 protein sequence (Fig
25.1%;
                                                                    .24;
                                                                                                                                                                                                                                                                                                                                                                                                 ; Score
                                                                                                                      SEQ
                                                                                                                                                                                                                                                                                                                                                                     1; 213 AA.
1 adhesion 1
                                                                                                                                                                                                                                                                                      ; 298 AA.
adhesion molecule 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   222 AA.
6878.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             312
                                                                                                                                                                                                       adhesion
                                                                                                                                                                                                                298 AA.
                                                                    Score
Pred.
                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
 Score 387.5;
                                                                                                                                                    Score 391; DB 3; Pred. No. 1.9e-20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 402; DB 4;
Pred. No. 3.1e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                      21 AA.
ID NO:129.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Å
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  °,≱
                                                                                                                                                                                                                                                                                                                   No. 9.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 399
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 404;
No. 2.
                                                                                                                                                                                                                                    391;
No. 1
                                                                                                                                                                                                                                                                                                                                                                                                  395
No.
                                                                    389; DB 5;
No. 2.8e-20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               404; DB 9;
No. 2.2e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  aplice
                                                                                                                                                                                                                                                                                                                                                                     molecule
                                                                                                                                                                                                       molecule
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3.1e-21;
                                                                                                                                                                                                                                                                                                                                                                                                  5.9e-21;
                                                                                                                                                                                                                                    . 9e
                                                                                                                                                                                                                                                                                                                   ; DB 3;
.8e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 8;
.3e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   variant
 B
                                                                                                                                                                                                                                   -20;
                                                                                                                                                                                                                                                                                                                                                                      N
 4
                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                               Length
                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
 Length
                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (huJAM2ev)
                                                                                321;
 388;
                                                                                                                                                                                                                                                                                                                               213;
                                                                                                                                                                                                                                                                                                                                                                                                             215;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             222;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein
```

```
Query
Best Loc.
RESULT 1190
ID AAU180'
DE Humar
PN WO?
PD 0'
PA
                                                                                                                                  Best Loca
RESULT 1189
                                                                                                                                                                                                                         Best Loca
RESULT 1188
                                                                                                                                                                                                                                                                                                                                                                                              Best Loca
RESULT 1186
                                                                                                                                                                                                                                                                                                                 RESUL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 1185
                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
SULT 1182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                   WO200310....
18-DEC-2003.
(RMFD-) RMF DICTAGENE SA.
(UYPB-) UNIV PENNSYLVANIA.
(UYPB-) UNIV PENNSYLVANIA.
(10%; (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADF17957 standard; protein; 102 Averine junction adhesion molecule EP1318195-A1.
                 Human immunoglobulin polypeptide WO200155315-A2.
                                                                                                                                                                                                                                                                                                                                                          Cell adhesion and extracellular matrix WO2004094623-A2.
                                                                                                    ABG22401 standard; protein; Novel human diagnostic protection w0200175067-A2.
                                                                                                                                                                                          ADG39449 standard; |
Human JAM-2 protein
WO2003104400-A2.
                                                                                                                                                                                                                              (RMFD-) RMF DICLEMENT (UYPE-) UNIV PENNSYLVANIA.
(UYPE-) UNIV PENNSYLVANIA.
21.0%;
xy Match 21.0%;
33.1%;
                                                                                                                                                                                                                                                                                              Human adhesion molecule
                                                                                                                                                                                                                                                                                                                                                                                                                                            ADP56685 standard; prote
Human junction adhesion
WO2004053058-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human novel splice WO2003046180-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel human protein EP1440981-A2.
                                                                                                                                                                                                                                                                                  WO2003087128-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               28-JUL-2004.
(REAS-) RES ASSOC BIOTECHNOLOGY.
22.8%; Score
20.8%; Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADQ65675 standard;
                                                                                                                                                                                                                                                                                                      ADF12431 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GEST ) GENSET SA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAO30179 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (CATC-) CATCHMABS BV.
                                                                                 HYSE-) HYSEQ INC
                                                              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                     Match
                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Match
                                                                                                                                                                                                                                                                                                                                            INCYTE CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                          TITTA & CO
                                                                                                                                                                                                    protein;
                                                                                                                                                                                                                                                                                                                                                                                                     ELI.
21.1%;
32.9%;
                                                                                                                                                                                                                                                                                              protein; 238 AA.
ecule JAM-2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein; 259 AA.
n sequence #648.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    variant of VEJAM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    22.1%;
38.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                23.8%;
                                                              20.4%;
33.0%;
                                                                                                                                                                                                                                                                                                                          21.1%;
32.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              34.2%;
                                                                                                             tein; 361 AA.
protein #22392.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        molecule
                                                                                                                                                                                                    ; 238 AA.
NO:18.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                265
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                235 AA.
                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ω≱
                                           8
                                  SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein
                                                              315;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    341.
No.
                                                                                                                                           325;
No.
                                                                                                                                                                                                                                  325;
No.
                                                                                                                                                                                                                                                                                                                          326.
No.
                                                                                                                                                                                                                                                                                                                                                                                                       326
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  351.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                367;
No. 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                       splice
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ŏ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (MOJAM)
                                  Ħ
                                                                                                                                                                                                                                                                                                                          8.5e-16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ..5; DB 6;
5.9e-17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.2e-17;
                                                                                                                                                                                                                                                                                                                                                                                                       8.5
                                                                                                                                            ø
                                                                                                                                                                                                                                   ø
                                                                                                                                                                                                                                                                                                                                                                          protein clone 7518734CD1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3e-19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4.6e-20;
                                  ĕ
                                                            .Se-
                                                                                                                                                                                                                                                                                                                                                                                                       DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          В
                                                                                                                                           .7e-16;
                                                                                                                                                                                                                                  DB 7;
.7e-16;
                                                                                                                                                   B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 used
                                                                                                                                                                                                                                                                                                                                                                                                                                                        variant
                                  152
                                                               -15;
                                                                                                                                                     8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 to create novel VAPs
                                                                       Length
                                                                                                                                                   Length
                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                       N
                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                        (huJAM3ev2)
                                                                                                                                                     238;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       protein.
```

HUMAN GENOME SCI INC

```
Best Local Similarity
RESULT 1191
ID AAM96332 --
DE 11-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local
RESULT 1193
                                                                                                                                                                                                                                                                                                                                      Best
RESULT
                          Query Match
Best Local Similarity
RESULT 1199
                                                                                                                                                                                                                                                                                                                                                                                                                 Best Loca.
RESULT 1194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
RESULT 1192
                                                                                                                        Query Match
                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                               ADP69098 standard; F
Human NOV2a mature e
WO2004055158-A2.
01-JUL-2004.
                                                                                                                                                                                                                                                                                                                                                                                   Human novel protein US2003077606-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABB10436 standard;
Human cDNA SEQ ID |
WO200154474-A2.
                 ADP56684 standard;
                                                     06-MAR-1997.
(LUDW-) LUDWIG INST
                                                                        Mouse A33 antigen. WO9708189-A1.
                                                                                          AAW14158 standard;
                                                                                                                                         Human NOV2c protein WO2004055158-A2.
                                                                                                                                                                                                                              Human NOV2d protein WO2004055158-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABP67023 standard;
Human polypeptide
US2002090672-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human reproductive WO200155320-A2.
Human junction adhesion WO2004053058-A2.
                                                                                                                                                                      ADP69029 standard;
                                                                                                                                                                                                                                                 ADP69031 standard;
                                                                                                                                                                                                                                                                                                                                                                  (HUMA-) HUMAN GENOME
                                                                                                                                                                                                                                                                                                                                                                                                       ADB31631 standard;
                                                                                                                                                                                                            (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                           (ROSE/) ROSEN C A.
(RUBE/) RUBEN S M.
(BARA/) BARASH S C.
                                                                                                                                                                                                                                                                                       (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (HUMA-) HUMAN GENOME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (HUMA-) HUMAN GENOME
                                                                                                                                 CURA-) CURAGEN CORP
                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                              Local Similarity
                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; protein; NO: 744.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            sEQ ID NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein;
                                                                                                                                                             protein; 206 AA.
n SEQ ID NO:24.
                                                                                                                                                                                                                                       protein; 206 AA.
1 SEQ ID NO:26.
                                                                                                                                                                                                                                                                                                                                                                                            protein; 105 AA.
1 SEQ ID NO 152.
                 protein;
                                   18.4%;
29.5%;
                                                                                            protein;
                                                                                                                                                                                                                                                                                                                   protein; 206 AA. extracellular do
                                                                                                                                                                                                                                                                                                                                              SCI INC
20.1%;
66.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SCI INC.
20.1%;
66.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SCI INC.
20.1%;
66.7%;
                                                                                                                                                                                        19.8%;
34.0%;
                                                                                                                                                                                                                                                                    19.8%;
                                                                                                              34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                          20.1%;
66.7%;
         molecule
                                                                                                                                                                                                                                                                                                                                                                   INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                n; 105 AA.
related a
                                   RES.
; Score
; Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                105
                                                                                            318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            105
744
                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                        Score
Pred.
                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                B
                                                                                                                                                                                                                                                                                                                   domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 antigen
                                                                                                              305;
No. 2.
                                                                                                                                                                                          305;
                                                                                                                                                                                                                                                                      305;
                                                                                                                                                                                                                                                                                                                                               310.
No.
                                                                                                                                                                                                                                                                                                                                                                                                                          310.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       310.
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             310.5; DB 4;
No. 4.3e-15;
                                    284
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  310
No.
         aplice
                                                                                                                                                                                          ; DB 8;
2.4e-14;
                                                                                                                                                                                                                                                                                                                                               .5; DB 7;
4.3e-15;
                                     .5; DB 2;
1.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                          .5; DB 5;
4.3e-15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .5; DB 4;
4.3e-15;
                                                                                                                                                                                                                                                                      N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4.3e-15;
                                                                                                                                                                                                                                                                                                                    protein
                                                                                                                                                                                                                                                                     DB 8;
.4e-14;
                                                                                                              DB 8;
.4e-14;
         variant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ħ
                                                                                                                                                                                                                                                                                                                    SEQ
                                                                                                                       Length
                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 105;
         (huJAM3sv1)
                                                                                                                                                                                                                                                                                                                    IJ
                                                                                                                                                                                                                                                                                                                    NO:68
         protein.
```

```
Best Local Similarity
RESULT 1200
ID ADK40854 sta-
DE Human
RESULT
ID ADD
DE HU
PN US
PN (A
PA (A
PA (F
PA (G
PA (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 1205
                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 1206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 1202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human A33 protein.
US2004235768-A1.
25-NOV-2004.
(KORN/) KORNECKI E.
(SOBO/) SOBOCKA M B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB65863 standard;
Human A33 protein S
WO200078808-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABG22338 standard; protein; Novel human diagnostic prote WO200175067-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human A33 antigen.
WO9708189-A1.
                                                                                                                                                                                                                                                                                                                                                                                               ADA10947 standard; protein; 319 AA. Human cDNA differentially expressed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Amino acid sequence WO9927098-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY23323 standard; protein; 319 AA.
Amino acid sequence of the A33 antigen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAW14146 standard;
                                                                                                                                                                                                    ADH62533 standard; protein; 319
Human A33 antigenic protein.
                                                                                                                                                                                                                                                                                                        )1-OCT-2002.
(LASE/) LASEK A W.
(JONE/) JONES D A.
                                                                                                                                                                                                                                                                                                                                                                             US2002160382-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (MILL-) MILLENNIUM PHARM INC.
ry Match 17.6%;
t Local Similarity 25.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               03-JUN-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADU66694 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         UYNY ) UNIV NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LUDW-) LUDWIG INST
                                                                                                                                    ASHK/) ASHKENAZI A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ocal Similarity
                                                                                                                                                                               03171568-A1.
  FONG S.
GODDARD A.
GURNEY A L.
NAPIER M A.
TUMAS D.
WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; protein; 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ELI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CANCER F
17.6%;
25.8%;
                                                                                                                                                                                                  protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17.6%;
25.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         18.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            K STATE
18.1%;
26.5%;
                                                                                                                                                                                                                                                                    17.6%;
25.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            18.1%;
26.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ein; 140 AA.
protein #22329
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RES.
; Score 272.5; DB 2
; Pred. No. 9.5e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 279;
Pred. No. 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             319
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            319
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                316
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       316 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 279;
Pred. No. 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   276;
No. 2
                                                                                                                                                                                                                                                                      272
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    272
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               272.5; DB 2;
No. 9.5e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         282; DB 8;
No. 1.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                    ä
                                                                                                                                                                                                                                                                    9.5e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ), DB 8;
3.1e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3.1e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9.5e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; DB 4;
2e-12;
                                                                                                                                                                                                                                                                                                                                                                                                    colon
                                                                                                                                                                                                                                                                                                                                                                                                      cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 140;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                      Length 319;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                      #43
                                                                                                                                                                                                                                                                                                                                                                                                    product
```

```
вевt Local Similarity
RESULT 1208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity RESULT 1211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 1210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 1209
                                                                                                                               Query Match
Best Local Similarity
RESULT 1215
                                                                                                                                                                                                              Best Local Similarity RESULT 1214
                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 1212
                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                     ABP62881 standard; p
Human polypeptide SE
WO200218424-A2.
07-MAR-2002.
                                                                                                                                                                                                                                                   An A33 related antigen sequence. WO9927098-A2. 03-JUN-1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Cancer/angiogenesis/fibrosis-related w02003042661-A2.
                                                                                                                                                                                AAY08075 standard;
Human A33 protein i
WO9914241-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                      AEB85134 standard; protein; Human novel secreted proteir WO2005058028-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADP54587 standard; protein; 319 AA.
Human PRO protein sequence SEQ ID NO:563
WO2004039956-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADN35289 standard; protein;
Human A33 antigen protein.
                                                                                                                      ADH62553 standard; protein;
                                                                                                   Human A33 antigenic US2003171568-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                               30-JUN-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO2004031105-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0200304440-
12-MAY-2003.
(EOSB-) EOS BIOTECHNOLOGY INC.
17.6%; Score
25.8%; Pred.
                                                                                                                                                                                                                                             (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC. (LEXI-) LEXICON GENETICS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH )
                                                                               ASHK/)
                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                               98----
1999
) GENENTECH INC.
17.6%; /
26.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    311,-
-2004.
) GENENTECH INC.
17.6%; 5
                             GODDARD A.
) GURNEY A L.
) NAPIER M A.
) TUMAS D.
                                                                                                                                                     GENENTECH INC.
 Similarity
                                                                                                                                                                                                                                                                                                                           HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENENTECH INC.
                  WOOD W I.
                                                                     FONG S.
                                                                               ASHKENAZI A.
                                                                                                                                                                                          ; protein;
fragment #
                                                                                                                                                                                                                                                                                                                                                        ; protein;
SEQ ID NO
                                                                                                           protein
                                                                                                                                                                                                                                                                                                                                                                                      17.6%;
25.8%;
                                                                                                                                          17.6%;
26.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17.6%;
25.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17.6%;
17.
26.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein
                                                                                                                                                                                                                                                                                                         17
25
. 6%;
                                                                                                                                                                                                                                                                                                         . 64
                                                                                                                                                                                           ; 273
#2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  319 AA.
n huA33.
                                                                                                                                                                                                                                                                                                                                                          336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           319
                                                                                                            fragment
                                                                                                                        273 AA
                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
 Score
Pred.
                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 272.5; DB 7 Pred. No. 9.5e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AA.
                                                                                                                                                                                                                                                                                                                                                                   Ä
                                                                                                                                           272;
No. 8.
                                                                                                                                                                                                                         272;
No. 8
                                                                                                                                                                                                                                                                                                         272
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               272.5;
No. 9.
272; DB 7;
No. 8.6e-12;
                                                                                                                                                                                                                                                                                                                                                                                       272.5; DB 9;
No. 9.5e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              272.5; DB 8
No. 9.5e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            272.5; DB 7;
No. 9.5e-12;
                                                                                                             #2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              polypeptide,
                                                                                                                                                                                                                                                                                                        2.5; DB
. le-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; DB 8;
                                                                                                                                           DB 2;
.6e-12;
                                                                                                                                                                                                                         DB 2;
.6e-12;
                                                                                                                                                                                                                                                                                                                  <u>ت</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     7.
                                                                                                                                                                                                                                  Length
                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ
                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NO: C217
```

```
Best Local Similarity RESULT 1224
                                                                                       Best Local Similarity RESULT 1223
                                                                                                                                                         ρest Local Similarity
RESULT 1222
                                                                                                                                                                                                                                                                                                                                  PREE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 1217
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 1216
ID AAY08073 standard;
                                                                                                                                                                                                                                                                                                       RESULT 1220
                                                                                                                                                                                                                                                                                                                                                                              RESULT 1219
                                                                                                         Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                               Best Local Similarity
                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                 Human signal peptide containing WC20000610-A2.
                                                                                                                            Novel human diagnostic protein # w0200175067-A2.
                                                                                                                                                                                                      ABM84859 standard; protein;
Human diagnostic and therape
WO2004023973-A2
                                                                                                                                                                                                                                                                                                                                                  AAO11807 standard;
Human polypeptide;
WO200164835-A2.
                                                                                                                                                                                                                                                                             Novel human diagnostic WO200175067-A2.
                                                                                                                                                                                                                                                                                                                                07-SEP-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                        An A33 related antigen sequence.
WO9927098-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human A33 protein. WO9914241-A2.
         AAY94857 standard; protein; 327
                                                                                                                                                                                                                                                                                                ABG04645 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY23327 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human A33 antigenic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US2003171568-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADH62551 standard;
                                                                                                                 (HYSE-) HYSEQ INC.
                                                                                                                                                                                      (INCY-) INCYTE CORP
                                                                                                                                                                                                                                                            HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                 y Match 17.4%;
Local Similarity . 26.6%;
1910
                                                                                                                                                                                                                                          Local Similarity
                                                                                                          Match
protein clone HP10568
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ) GURNEY A L.
) NAPIER M A.
) TUMAS D.
) WOOD W I.
                         INCYTE PHARM INC.
h 15.0%;
Similarity 29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                       GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GODDARD A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FONG S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ASHKENAZI A.
                                                                                                                                                                                                                                                                                                                                                           l; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INC.
                                                                                                                                                                                                                                                                                                protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                           protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein
                                                                                               15.1%;
                                                                                                                                                                                                                                           15.1%;
                                                                                                                                                                                                                                                                                                                15.
86.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            17.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17.4%;
26.6%;
                                                                                                                                                                    28
                                                                                                                                                                                                               therapeutic
                                                                                                                                                                                                                                                                                      protein
                                                                                                                                                                                                                                                                                                                . 7%;
                                                                                                                                                                                                                                                                                                                                                            134 AA.
25699.
                                                                                                                                                                                                                         344 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                           270 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           fragment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     268 AA
                          Score
Pred.
                                                                                               Score
Pred.
                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                           )4 AA.
1 #12100.
                                                                                                                                                                                                                                                                                      1 AA.
#4636.
                                                                    AA.
protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ₹
                                                                                                                                                                                                               pprotein
                                                                                                                                                                                                                                           233.
No.
                                                                                                                                                                                                                                                                                                                                                                                      269;
No. 1
                          232;
No.
                                                                                               233.
No.
                                                                                                                                                                    233
No.
                                                                                                                                                                                                                                                                                                                240.
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            269;
No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     269;
No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #1
                                                                                              1.5; DB 4
. 8.9e-09;
                                                                                                                                                                                                                                           6.1e-09;
                          ; DB 3;
9e-09;
                                                                                                                                                                                                                                                                                                                 7.6
                                                                                                                                                                      7 55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.4e-11;
                                                                     HSPP-28
                                                                                                                                                                    ; DB 8;
                                                                                                                                                                                                                                                                                                                                                                                      DB 2;
.4e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BB
                                                                                                                                                                                                                                                                                                                .6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            .4e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB
                                                                                                                                                                                                                SEQ
                                                                                                                                                                                                                                                                                                                         DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2
                                                                                                       4
                                                                                                                                                                                                                IJ
                                                                                                                                                                                                                                                                                                                         4
                                                                     SEQ
                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                 š
Ö
                                                                                                                                                                                                                                                                                                                         Length
                                                                                                        Length
                                                                                                                                                                            Length
                                                                                                                                                                                                                                                  Length
                                                                     IJ
                                                                     NO:28
                                                                                                                                                                                                                                                                                                                                                                                               270;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               268;
```

```
Best Loca
RESULT 1226
ID ATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local S
RESULT 1227
                                                                                          Best Local Similarity RESULT 1232
                                                                                                                                                                  Query Match
Best Local Similarity
RESULT 1231
                                                                                                                                                                                                                                        Query Match
Best Local Similarity
RESULT 1230
                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 1228
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 1225
                                                                                                                                                                                                                                                                                                                                                                                          ABB90354 stanca...

ABB90354 stanca...

Human polypeptide SEQ iv ...

W0200190304-A2.

29-NOV-2001.

A (HUMA-) HUMAN GENOME SCI INC.

Match 11-rity 29.4%; p.
                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                 Novel human secreted and transmembrane US2003088063-A1. 08-MAY-2003.
                                                                                                                               Novel human secreted and tra
US2003045687-A1.
                                                                                                                                                                                                 Human PRO polypeptide #118.
US2003036635-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SAGA )
(PROT-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human secreted protein PRO7154. W0200075317-A2.
                                                                                                                                                                                                                                                                                                                                                              AAU83709 standard;
Human PRO protein,
WO200208288-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAB08903 standard; protein;
Human secreted protein seque
WO200017222-A1.
                                                                                                                                                                                                                                                                                      Novel human secreted WO200193983-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200005367-A2
                                                                                                                     (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                         ADY31976 standard;
                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (HUMA-) HUMAN GENOME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             30-MAR-2000
        ABJ72345 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
PRO7154 protein.
                                              ) GENENTECH
                                                                                                                                                                                             ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PROTEGENE INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SAGAMI CHEM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             protein sequence
                       4 INC.
15.
29.4*
                                                                                                                                                                                                                                                                                                                                                                       protein;
Seq ID No
                                                                                                                                                                                                                                                                                                         protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RES CENT.
                                                                                                                                                                                                                                                   15.0%;
29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SCI INC.
15.0%;
30.1%;
                                                                                                   15.0%;
                                                                                                                                                                         15.0%;
                                                                                                                                                                                                                                                                                                                           15.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          15.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         15.0%;
29.4%;
                                                                                                                                                                                                                                                                                                and transmembrane
                             . 4%;
                                                                                                                                                 transmembrane
                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                         327
                                                                                                                                                                                                                                                                                                         327
                                                                                                                                                                                                                                                                                                                                                                       327 A
o 236.
                                                                                                                                                                                                                                                                                                                                                                                                                                                327 AA.
2730.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         327
            327
                                                                                                                                                                                                                                 327
                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                   Score
Pred.
                                                                                                                                                                         Score
Pred.
                             Score
Pred.
                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AA.
encoded
                                                                                                                                                                                                                                 ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ₿
                            232;
No. 9
                                                                                                    232;
                                                                                                                                                                          232;
No. :
                                                                                                                                                                                                                                                   232;
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           232;
No. 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  232;
No. !
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           232;
                                                                                                                                                                                                                                                                                                                           232; DB 5;
No. 9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                   232; DB 5;
No. 9e-09;
                            ; DB 6
9e-09;
                                                                                                    ; DB 6;
9e-09;
                                                                                                                                                                           ; DB 6;
9e-09;
                                                                                                                                                                                                                                                   ; DB 5;
9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; DB 3;
9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; DB 4
9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; DB 3
9e-09;
                                                                        protein
                                                                                                                                                protein
                                                                                                                                                                                                                                                                                               protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               λq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4
                                    6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           u
-
                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                      Length
                                                                                                           Length
                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ
                                      327;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     327;
                                                                                                              327;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ㅂ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NO:60
```

```
Best Local Similarity

RESULT 1240

ID ADB78455 stand
DE Novel hum
PN US200
                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT
ID AB
DE Hu
PN US
PD 03
PA (G
                                                                                                            Best Local Similarity RESULT 1241
            2 E E
                                                                                                                                                                                                                PAGED
                                                                                                                                                                                                                                                                                       P P P D D
                                                                                                                                                                                                                                                                                                                                                                      PN
PD
PD
                                                                                                                                                                                                                                                             RESULT
                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                     Query
                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                         Novel human secreted and transmembrane US2003073814-A1.
                                                                                                                                                                                                                                                                                                                                                                                                          st Local Similarity
LT 1237
                                                                                                                                                                                                                                                                                                                                                                                                                                               Human membrane bound receptor/protein US2003065147-A1.
us2003092886-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABO34368 standard; protein; i
Human secreted/transmembrane
US2003044934-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABJ72473 standard; protein;
Human PRO7154 protein.
US2003027988-A1.
                                                                                         ADB85103 standard; protein;
Human PRO polypeptide #118.
                                                                                                                                                                  ADB78455 standard; protein; 327 AA. Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                ADB80832 standard; protein; 327 AA. Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                   03-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                         ADB73373 standard; protein; 327 AA.
Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US2003050448-A1.
13-MAR-2003.
                                                                (GETH ) GENENTECH
                                                                                   JS2003073817-A1.
                                                                                                                                                                                                                                  JS2003096968-A1.
                                                                                                                                                                                                                                                                                                       US2003088068-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   06-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           06-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC
                                                                                                                                                                                                               GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                             GETH ) GENENTECH INC.
                                      Local Similarity
1242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                  ocal Similarity
                                                                                                                                                                                                                                                                                                                                          ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Match
                                                                                                                                                                                                                                                                                      GENENTECH
                                                                                                                                        GENENTECH INC
                                                                                                                                                                                                                                                                   11NC.
15.0%;
y 29.4%;
                                                                INC.
                                                                                                                      15.0%;
29.4%;
                                                                                                                                                                                            15.0%;
29.4%;
                                                                                                                                                                                                                                                                                                                                           15.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                  15.0%;
29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         15.0%;
29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15.0%;
29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15.0%;
29.4%;
                                              15.0%;
29.4%;
                   in; 327 AA.
transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     327 AA.
e polypeptide
                                                                                                    327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       327
                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                              Score
Pred.
                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                    ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ጅ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        232;
No. !
                                              232;
                                                                                                                                                                                             232;
No. 9
                                                                                                                                                                                                                                                                                                                                                                                                                   232;
No. 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         232;
No. 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  232;
No. 9
                                                                                                                      232;
No.
                                                                                                                                                                                                                                                                                                                                           232; DB 7;
No. 9e-09;
                                                                                                                                                                                                                                                                     232; DB 7;
No. 9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRO7154
                                                                                                                                                                                             ; DB 7
9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; DB 6;
9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; DB 6;
9e-09;
                                              ; DB 7;
9e-09;
                                                                                                                      ; DB 7;
9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; DB 6;
9e-09;
                                                                                                                                                                 protein
                                                                                                                                                                                                                                          protein
                                                                                                                                                                                                                                                                                                                 protein
                                                                                                                                                                                                                                                                                                                                                                                       protein
                                                                                                                                                                                                                                                                                                                                                                                                                  ; DB 7
9e-09;
                   protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRO
                                                                                                                                                                                                     7;
                                                                                                                                                                                                                                                                                                                                                                                                                           7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                amino
                                                                                                                                                                   PR07154
                                                                                                                                                                                                                                          PR07154
                                                                                                                                                                                                                                                                                                                  PR07154
                                                                                                                                                                                                                                                                                                                                                                                        PR07154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                               Length
                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                acid sequence.
                                                        327;
                                                                                                                               327;
                                                                                                                                                                                                        327;
                                                                                                                                                                                                                                                                               327;
                                                                                                                                                                                                                                                                                                                                                                                                                             327;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   327;
```

```
Best Local Similarity RESULT 1243
                              Best Local Similarity RESULT 1251
                                                                                                             Best Local Similarity
RESULT 1250
                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 1247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Loca
RESULT 1244
                                                                                                                                  Query Match
                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                  Query Match
                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                      Human PRO polypeptide #118.
US2003096969-A1.
                                                                                                                                                                                                                                                                                                                      Human PRO polypeptide #118. US2003088065-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADB87275 standard; protein;
Human PRO polypeptide #118.
US2003088067-A1.
08-MAY-2003.
ADC49702 standard; protein; 327 AA. Novel human secreted and transmembr US2003088071-A1.
                                                                                          ADC49185 standard; protein; 327 AA. Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel human secreted and tra
US2003069397-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADB84857 standard; protein;
Human PRO polypeptide #118.
US2003092890-A1.
15-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15-MAY-2003
                                                                                                                                                       08-MAY-2003
                                                                                                                                                                         ADC49986 standard; protein; 327 AA.
Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                   US2003092887-A1.
15-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                     ADB73127 standard; protein; 327 AA.
Novel human secreted and transmembrane
                                                                               US2003088070-A1.
                                                                                                                                                               US2003088064-A1.
                                                                                                                                             (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH
                                                                                                                                                                                                                                                                                     Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                  local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -2003.
) GENENTECH INC.
15.0%; '--- 29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         926.
-2003.
) GENENTECH INC.
15.0%;
                                                                                                                                                                                                                                                                                                                                                                                    GENENTECH INC.
                                                                                                                                                                                                                                                                                                        GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENENTECH INC.
                                                             GENENTECH INC.
                                                                                                                                           GENENTECH
                                                                                                                                                                                                                          GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENENTECH INC.
                                                                                                                                                                                                      1 INC.
15.0%;
cy 29.4%;
                                                                                                                                           INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  15.0%;
                                                                                                                       15.0%;
29.4%;
                                                                                                                                                                                                                                                                                    15.0%;
                                                                                                                                                                                                                                                                                                                                                                    15.0%;
29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15.0%;
29.4%;
                                         15.0%;
29.4%;
           and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     and transmembrane
                                                                                                                                                                                                                                                                                                                                                 327
                                                                                                                                                                                                                                                                  327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              327 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            327 AA
                                                                                                                                                                                                                                                                                     Score 232;
Pred. No. 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              327
                                                                                                                                                                                                       Score
Pred.
                                         Score
Pred.
                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                 ₽
                                                                                                                                                                                                                                                                  ₹
                                                                                                                       232;
No. 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                   232;
No. 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 232;
No. 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  232;
No. 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                232;
No. 9
                                         232;
No.
                                                                                                                                                                                                       232; DB 7;
No. 9e-09;
                                                                                                                                                                                                                                                                                                                                                                    232; DB 7;
No. 9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; DB 7
9e-09;
                                                                                                                       ; DB 7;
9e-09;
                                                                                                                                                                                                                                                                                    9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; DB 7;
9e-09;
           protein PRO7154
                                          9е
                                                                                                                                                                          protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                  9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9e-09;
                                                                                           protein
                                                                                                                                                                                                                                                                                                                                                                                                                      protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 7;
                                          DB 7;
e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 7;
                                                                                                                                                                                                                                                                                                DB 7;
                                                                                           PRO7154
                                                                                                                                                                           PR07154.
                                                                                                                                                                                                                                                                                                                                                                                                                       PR07154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRO7154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                Length
                                                 Length
                                                                                                                                Length
                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                   327;
                                                                                                                                                                                                                  327;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               327;
                                                    327;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             327;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              327;
```

```
PA PR II
                                                                                                                                                   P P P P D
                                                                                                                                                                                                                                              PR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PP DE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 1252
                                             RESULT 1260
                                                                                                                      Best Local Similarity RESULT 1259
                                                                                                                                                                                                                                                                                                                                                     RESULT 1256
                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
RESULT 1254
                                                                                                                                                                                                                                                                           RESULT 1257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 1253
                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                   Human PRO polypeptide #118. US2003096971-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel human secreted and tra
US2003088072-A1.
                                                                                                                                                                                                                                                                                                                  Novel human secreted and transmembrane US2003088066-A1.
         Human PRO polypeptide #118.
US2003096970-A1.
22-MAY-200
                                                                                                                                                          ADD51146 standard; protein; 327 AA. Novel human secreted and transmembrane US2003105200-A1.
                                                                                                                                                                                                                                             ADD50900 standard; protein; 327 AA. Novel human secreted and transmembr US2003105291-A1.
                                                                                                                                                                                                                                                                                                                                                                                                 ADD06418 standard; protein; Novel human secreted and traus2003073816-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US2003096972-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADC78183 standard; protein; 327 AA.
Novel human secreted and transmembrane protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US2003105288-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADC47308 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                          .7-APR-2003
                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                                                                                                                                                    ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Match
                                                                                                                                                                                                                                                                           2003;
) GENENTECH INC.
15.0%;
15.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENENTECH INC.
                                                                                                                                                GENENTECH INC.
                                                                                                                                                                                                                           GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENENTECH
GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 secreted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein;
                                                                                                                              15.0%;
                                                     15.0%;
29.4%;
                                                                                                                                                                                                         15.0%;
                                                                                                                                                                                                                                                                                                                                                            15.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                       15.0%;
29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15.0%;
29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          15.0%;
29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15.0%;
29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 and
                                                                                                                                                                                                                                                       and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                          in; 327 AA.
transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               transmembrane
                                   327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         327 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    327 AA
                                                                                                             327 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                      Score
Pred.
                                                                                                                              Score
Pred.
                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                   B
                                                                                                                                                                                                                                                                                                                                                             232;
No. !
                                                                                                                               232;
No. !
                                                                                                                                                                                                         232;
No. 9
                                                                                                                                                                                                                                                                                     232;
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                       232;
No. !
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                232;
No. !
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           232;
No. 9
                                                     232; DB 7;
No. 9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     232; DB 7;
No. 9e-09;
                                                                                                                                                                                                         ; DB 7;
9e-09;
                                                                                                                                                                                                                                                                                                                                                             ; DB 7;
9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                       ; DB 7;
9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; DB 7;
9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; DB 7
9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein
                                                                                                                               9e-09;
                                                                                                                                                                              protein
                                                                                                                                                                                                                                                       protein
                                                                                                                                                                                                                                                                                     9e-09;
                                                                                                                                                                                                                                                                                                                                 protein
                                                                                                                                                                                                                                                                                                                                                                                                           protein
                                                                                                                                         BB
                                                                                                                                                                                                                                                                                            BB
                                                                                                                                        7;
                                                                                                                                                                                                                                                                                            7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7;
                                                                                                                                                                              PRO7154.
                                                                                                                                                                                                                                                        PR07154
                                                                                                                                                                                                                                                                                                                                  PRO7154.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRO7154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PR07154
                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                              Length
                                                                                                                                        Length
                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                327;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          327;
```

```
Query Match
Best Local S
RESULT 1261
                                                        Best Local Similarity RESULT 1269
                                                                                                                                Best Local Similarity RESULT 1268
                                                                                                                                                                                                          Best Local Similarity RESULT 1267
                                                                                                                                                                                                                                                                                     Best Local
RESULT 1266
                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 1265
                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 1264
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 1263
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 1262
                                                                          Query Match
                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
Query Match
                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                  ADD85161 standard; protein; 327 Novel human secreted and transme US2003100722-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel human secreted and tra
US200310529-All.
                          ADE20864 standard; protein; 327 Novel human secreted and transme US2003100734-A1.
                                                                                            ADD86987 standard; protein; 327 AA. Novel human secreted and transmembrane US2003100738-A1. 29-MAY-2003.
                                                                                                                                                                                                                                               ADD75929 standard; protein;
Novel human secreted and tra
US2003100717-A1.
                                                                                                                                                                                                                                                                                                                          ADD75183 standard; protein;
Human PRO polypeptide #118.
US2003100712-A1.
29-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                             ADE05954 standard; protein;
Human PRO polypeptide #118.
US2003100728-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADE21110 standard; protein; Novel human secreted and traus2003100735-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADC48939 standard; protein; Novel human secreted and traUS2003092888-A1.
                    29-MAY-2003
                                                                                                                                                             (GETH
                                                                                                                                                                                                                                       (GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                             ocal Similarity
                                                                                                                                                                                                           GENENTECH
                                                                                  GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENENTECH INC.
          GENENTECH
          INC.
                                                                                                                                                             INC.
                                                                 15.0%;
29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15.0%;
29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 15.0%;
29.4%;
                                                                                                                                         15.0%;
                                                                                                                                                                                                                                                                                              15.0%;
29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          15.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15.0%;
.0%;
                                     transmembrane
                                                                                                                                                                                        in; 327 AA.
transmembrane
                                                                                                                                                                                                                                                                    transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   in; 327 AA.
transmembrane
                                                                                                                                                                                                                                                                              327
                                                                                                                                                                                                                                                                                                                                                      327
                                                                                                                                                                                                                                                                                                                                                                                                                               327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     327
                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                              Score
Pred.
 Score
                                                                                                                                                                                                                                                                                                                                                      ⋛
                                                                                                                                                                                                                                                                                                                                                                                                                                ጀ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               No. 9e-09;
                                                                  232;
No.
                                                                                                                                         232;
No. 9
                                                                                                                                                                                                                                                                                              232;
No. 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      232; DB 7
No. 9e-09;
232;
                                                                                                                                                                                                                     No.
                                                                                                                                                                                                                                                                                                                                                                        232; DB 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                 232;
No. 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            232;
No. 9
                                                                                                                                                                                                                             232;
                                                                                                                                                                                                            ив 8;
9e-09;
                                                                 9e-09;
                                                                                                                                                                                                                                                                                              9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 9e-09;
                                                                                                                                          ; DB 8;
9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; DB 8
                                     protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein
                                                                                                              protein
                                                                                                                                                                                         protein
                                                                                                                                                                                                                                                                   protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein
 В
 8
                                                                                                                                                                                                                                                                                                                                                                                 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7;
                                                                                                                                                                                          PRO7154
                                                                                                                                                                                                                                                                    PRO7154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRO7154
Length 327;
                                                                       Length
                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 327;
                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      327;
                                                                           327;
                                                                                                                                                    327;
                                                                                                                                                                                                                              327;
                                                                                                                                                                                                                                                                                                         327;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            327;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                327;
                                                                                                                                                                                                                                                                                                                                                                                  327;
```

```
-Ai.
-J03.

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT
ID AD
DE No
PN US
PD 29
PA (G
                                                   RESULT
ID AD
DE Hu
PN US
PD 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best
RESULT
ID AD
DE NO
PN US
PD 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT
ID AD
DE Hu
PN US
PD 29
PA (G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              B S S S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT
 Best
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                      Human PRO polypeptide #118.
US2003100064-A1.
29-MAY-2003.
GETH ) GENENTECH TWO
                                                      Human PRO polypeptide #118.
US200310708-A1.
29-MAY-7007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human PRO polypeptide #118.
US2003100727-A1.
29-MAY-2707
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel human secreted and tra. US2003096362-Al.
                                                                                                                                                                                                                                                                                                                                         Novel human secreted and transmembu US2003100733-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADE21356 standard; protein; 327 AA. Novel human secreted and transmembrane US2003100736-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADD78533 standard; protein; 327 AA. Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #118.
US2003100711-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADD77471 standard; protein;
Novel human secreted and tra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US2003100737-A1.
29-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                   GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
1274
                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                                                                                                         ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Match
                                                                                                                                                               Macch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ocal Similarity
                                  GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15.0%;
29.4%;
                                                                                                                                         15.0%;
29.4%;
                                                                                                                                                                                                                                                                                  15.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                         15.0%;
29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15.0%;
29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15.0%;
29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15.0%;
29.4%;
 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  29
 4 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .48;
                                                                                                                                                                                                                                                                                                                                                                          transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 in; 327 AA.
transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           327
                                                                                                          327
                                                                                                                                                                                                                                                 327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
Score
Pred.
                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pred.
                                                                                                          ₿
                                                                                                                                                                                                                                                 ያ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ⋛
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       232;
No. :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                232;
No. 9
                                                                                                                                           232;
No. 9
                                                                                                                                                                                                                                                                                  232;
No. 9
                                                                                                                                                                                                                                                                                                                                                                                                                           232;
No. 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    232;
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               232;
No.
232; DB 8;
No. 9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       232; DB 8;
No. 9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; DB 8;
9e-09;
                                                                                                                                           ; DB 8;
9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                           ; DB 8;
9e-09;
                                                                                                                                                                                                                                                                                                                                                                        protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             protein
                                                                                                                                                                                                                                                                                    9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9e-09;
                                                                                                                                                                                                                                                                                                    DB
                                                                                                                                                                                                                                                                                                 `&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PR07154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRO7154
                                                                                                                                                                                                                                                                                                                                                                          PR07154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PR07154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                Length
                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 327;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                               327;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       327;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                327;
```

```
Best Local Similarity RESULT 1280
                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 1284
                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 1283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity RESULT 1282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 1281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 1279
                                                                   RESULT 1287
                                                                                                                                                                                                                              RESULT 1285
                                                                                                                                                Best Local Similarity RESULT 1286
                                                                            Best Local Similarity
                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
        Query Match
                                                                                       Query Match
                        Novel human secreted and tra
US2003100729-A1.
29-MAY-2003.
                                                                                                     Novel human secreted and transmembrane US2003100731-A1. 29-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human PRO polypeptide #118.
us2003100709-A1.
29-MAY-2003.
                                                                                                                                                                                                                                                                   ADD76973 standard; protein; 327 AA.

Novel human secreted and transmembrane
US2003100715-A1.

29-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                 ADD75429 standard; protein;
Human PRO polypeptide #118.
US2003100714-A1.
29-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel human secreted and tra
US2003100718-A1.
                                                                                                                                                                                                ADD86741 standard; protein; 327 AA.
Novel human secreted and transmembrane
US2003100719-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                US2003100726-Ā1.
29-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                ADE05216 standard; protein;
Human PRO polypeptide #118.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADD85667 standard;
Novel human secrete
                                                                                                                                                                                                                                                            (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US2003100721-A1.
                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH )
                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                              00/1-
-2003.
) GENENTECH INC.
15.0%; 5
                                                                                                                                                                                                                                                                                                                                                                                         0074-
-2003.
) GENENTECH INC.
15.0%; /
'+v 29.4%;
                                                                                                                                                                             GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENENTECH
                   GENENTECH INC.
                                                                                                GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              indard; protein; 327 AA.
secreted and transmembrane
                                                                                                                                                         1 INC.
15.0%;
:y 29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 INC.
15.0%;
y 29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 INC.
15.0%;
y 29.4%;
                                                                            15
29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15.0%;
29.4%;
                                                                                                                                                                                                                                                                                                                    15.0%;
29.4%;
15
29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             and transmembrane
                                                                              4.8
                                                transmembrane
                                                          327
                                                                                                                                                                                                                                                                                                                                                                                327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    327
                                                                                                                                                                                                                                                                                                                                                                                                                                                             327
                                                                             Score
Pred.
                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
Score
Pred.
                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                             ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ₹
                                                                                                                                                                                                                                                                                                                                                                                                  232;
No. 5
                                                                                                                                                          232;
No. 9
                                                                                                                                                                                                                                        232;
No.
                                                                                                                                                                                                                                                                                                                    232;
No. 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               232;
No. 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            232;
No.
                                                                              232;
No.
232; DB 8;
No. 9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          232; DB 8;
No. 9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9e-09;
                                                                              ; DB 8;
9e-09;
                                                                                                                                                          ; DB 8;
9e-09;
                                                                                                                                                                                                                                        ; DB 8;
9e-09;
                                                                                                                                                                                                                                                                                                                    ; DB 8;
9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; DB 8;
9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein
                                                protein
                                                                                                                               protein
                                                                                                                                                                                                                                                                                         protein
                                                                                                                                                                                                                                                                                                                                                                                                    9e-09;
                                                                                                                                                                                                           protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein
                                                                                                                                                                                                                                                                                                                                                                                                            ВВ
                                                                                                                                                                                                                                                                                                                                                                                                            8
'-
                                                                                                                                                                                                           PRO7154
                                                                                                                               PRO7154.
                                                                                                                                                                                                                                                                                          PRO7154.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRO7154
                                                                                                                                                                                                                                               Length
         Length
                                                                                     Length
                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                       327;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           327;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       327;
                                                                                                                                                                      327;
                                                                                                                                                                                                                                                  327;
                                                                                                                                                                                                                                                                                                                                                                                                             327;
```

```
Best Local Similarity RESULT 1290
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Baga
                                                                              Best Local Similarity RESULT 1296
                                                                                                                                                  Best Local Similarity RESULT 1295
                                                                                                                                                                                                                       Best Local Similarity RESULT 1294
                                                                                                                                                                                                                                                                                                                                                                    Best Loca
                                                                                                                                                                                                                                                                                                                                                                                              PPREI
                                                                                                                                                                                                                                                                                              RESULT 1293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 1289
                           Query Match
                                                                                               Query Match
                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel human secreted and tra
US2003100716-Al.
29-MAY-2007
                                                                                                                                                                                                                                                                                                                                                                                                       Human PRO polypeptide #118.
US2003100713-A1.
29-MAY-2007
                                                                                                                                                                                      Human PRO polypeptide #118. US200310073-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #118.
US2003100710-Al.
29-MAY-2003
                                            ADG05749 standard; protein; 327 AA. Novel human secreted and transmembrane US2003096599-A1.
22-MAY-2003.
                                                                                                                  Human PRO polypeptide #118.
US2003100724-A1.
29-MAY-2003
                                                                                                                                                                                                                                                             Novel human secreted and transmembrane US2003100720-A1.
ADG27303 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADD85421 standard; protein; 327 AA. Novel human secreted and transmembrane US2003100725-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US2003100730-A1.
29-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADD77963 standard; protein; Novel human secreted and tra
                                   (GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                            (GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
           Local Similarity
                                                                                                                                                                                                                                                                                                      ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                           ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Match
                                                                                                                                                                                                                                                                                                                                                                   -2003.

-2003.

) GENENTECH INC.

15.0%;

15.0%;

29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENENTECH INC.
                                                                                                       GENENTECH INC
                                                                                                                                                                                                                                                 GENENTECH INC.
                                                                                                                                                          11NC.
15.0%;
ty 29.4%;
                                   INC.
                                                                                      15.0%;
29.4%;
                                                                                                                                                                                                                                15.0%;
29.4%;
                                                                                                                                                                                                                                                                                                     15.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                15.0%;
29.4%;
                 15.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           15.0%;
                                                                                                                                                                                                                                                                                                                                                 and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       transmembrane
327 AA
                                                                                                                                                                                                               327
                                                                                                                                                                                                                                                                                                                                                          327 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     327
                                                                                                                                          327
                 Score
Pred.
                                                                                      Score
Pred.
                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                B
                                                                                                                                                                                                               ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ጅ
                                                                                                                                           ₹
                 232;
No. 9
                                                                                     232;
No.
                                                                                                                                                           232;
No.
                                                                                                                                                                                                                                232;
No. 9
                                                                                                                                                                                                                                                                                                     232; DB 8;
No. 9e-09;
                                                                                                                                                                                                                                                                                                                                                                           232;
No. 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                        232;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      232;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           232;
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 ŏ.
                                                                                     ; DB 8;
9e-09;
                                                                                                                                                                                                                                 ; DB 8;
9e-09;
                                                                                                                                                                                                                                                                                                                                                                            9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                ; DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9e-09;
                  9e-09;
                                                            protein
                                                                                                                                                           9e-09;
                                                                                                                                                                                                                                                                           protein
                                                                                                                                                                                                                                                                                                                                                 protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein
                                                                                                                                                                   BB
                         DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB
                         8
                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                                                                                        8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8
                                                             PR07154
                                                                                                                                                                                                                                                                                                                                                  PRO7154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRO7154
                                                                                                                                                                                                                                                                                                            Length
                          Length
                                                                                               Length
                                                                                                                                                                    Length
                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 327;
                          327;
                                                                                               327;
                                                                                                                                                                                                                                                                                                                                                                                    327;
```

```
Query Match
Best Local S
RESULT 1306
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Matc
Best Local
RESULT 1299
                                                                                                                                                                    Query Match
Best Local Similarity
RESULT 1304
                                                                                                                                                                                                                                              Best Loca
RESULT 1303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best |
RESULT |
                                                                                           Best Local Similarity RESULT 1305
                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 1302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 1298
                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                Query Match
                                                                                             US2U002-2003.
22-MAY-2003.
(GETH ) GENENTECH INC.
15.0%; /
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 USZUWAY-2003.

22-MAY-2003.

(GETH ) GENENTECH INC.

15.0%;

Match 15.0%;
                                                  Human PRO polypeptide #118.
US2004019183-A1.
29-JAN-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel human secreted and tra
US2003096964-A1.
22-MAY-2003.
                                                                                                                                 Human PRO polypeptide #118. US2003096960-A1.
                                                                                                                                                                                                           Novel human secreted and tra
US2004006206-A1.
                                                                                                                                                                                                                                                                                     Novel human secreted and tra
US2003096965-A1.
                                                                                                                                                                                                                                                                                                                                                              Human PRO polypeptide #118.
US2003096966-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel human secreted and tra
US2003096967-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADG12145 standard; protein; 327 AA. Novel human secreted and transmembrane US2003096963-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human PRO polypeptide #118
ADI29957 standard; protein; 327 AA. Novel human secreted and transmemb!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                   (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                             22-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                             ) GENENTECH INC.
                                              GENENTECH INC.
                            Similarity
                           15.0%;
                                                                                                                                                                                                                                                       15.0%;
                                                                                                                                                                                                                                                                                                                                 15.0%;
                                                                                                                                                                                                                                                                                                                                                                                                           15.0%;
                                                                                                                                                                             15.
29.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15.0%;
29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15.0%;
                                                                                                                                                                                                                           and transmembrane
                                                                                                                                                                                                                                                                                                       and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                          and transmembrane
                                                                                                                                                                             . 4 %
transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            transmembrane
                                                                                                                                                                                                                                      327
                                                                                                                                                           327
                                                                                  327
                                                                                                                                                                                                                                                                                                                327 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  327 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     327 AA.
                                                                                                                                                                                                                                                                                                                                                                                         327
                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                    Score
Pred.
                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                           B
                                                                                                                                                                                                                                      B
                                                                                   ₿
                                                                                                    232;
                                                                                                                                                                              232;
No.
                                                                                                                                                                                                                                                                                                                                 232; DB 8
No. 9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     232;
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              232;
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       232;
No. 9
                                                                                                                                                                                                                                                                                                                                                                                                           232;
No. 9
                           232; DB 8;
No. 9e-09;
                                                                                                                                                                                                                                                       232; DB 8;
No. 9e-09;
                                                                                                    ; DB 8
9e-09;
protein
                                                                                                                                                                              ; DB 8;
9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                           ; DB 8;
9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; DB 8;
9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; DB 8;
9e-09;
                                                                                                                                                                                                                           protein
                                                                                                                                                                                                                                                                                                      protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein
                                                                                                             8
                                                                                                                                                                                                                                                                                                                                          8
PR07154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRO7154.
                                                                                                                                                                                     Length
                                    Length
                                                                                                              Length
                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                      327;
                                                                                                                                                                                                                                                                 327;
                                                                                                                                                                                                                                                                                                                                                                                                                     327;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              327;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        327;
                                                                                                                                                                                                                                                                                                                                            327;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  327;
```

```
A2.

Watch

Jest Local Similarity

RESULT 1311

D ADF83097 Stand*

EN W020031*

PN W020031*

PD 04-**
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
RESULT 1307
ID ADM27354 standard; p
DE Novel human secreted
PN US2004044179-A1.
PD 04-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 1309
ID AAB5330
DE Human C
PN WO20005
PD 21-SEP-
PA (HUMA-)
                                                                                                                                                                                                                                                                                                                                                                                                 Best
RESULT
ID AA
DE Hu
PN WC
PD 05
PA (H
                                                                                                                                   RESULT
ID AD
DE Hu
PN US
PD 25
PA (K
PA (S
                                                                                                     Best Local Similarity RESULT 1314
                                                                                                                                                                                                                                 P B B B G
                                                                                                                                                                                                                                                                                  RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PA BR BB I
                                                                                                                        Query Match
                                                                                                                                                                                                                      Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                             AAG75613 standard; protein; 365 AA.
Human colon cancer antigen protein SE
WOZ00122920-AZ.
05-APR-2001.
(HUMA-) HUMAN GENOME SCI INC.
(HUMA-) HUMAN 15.0%; Score 23
Duery Match
15.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         AUCHOUS 21-SEP-2000.

(HUMA-) HUMAN GENOME SCI INC.

BY MATCH

15.0%;

29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human PRO polypeptide #118. US2004044180-A1.
                                                                                                                                                                                                                                                    ADK40847 standard; peptide; 42 AA.
Human platelet Fl1-adhesion molecule (FAM), peptide
US6699688-B1.
                                                                                                                                                                                                                                                                                                                                    ADF83097 standard; protein; 326 Human corticol thymocyte recepto WO2003100000-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB53307 standard; protein; Human colon cancer antigen I WO200055351-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADM27354 standard; protein; 327 AA. Novel human secreted and transmembr US2004044179-A1.
                                                                              AAW31100 standard; peptide; 50 Platelet membrane glycoprotein
                                                                                                                                                                             ADU66687 standard;
Human FAM GluC-(4)
                                                             US5665701-A.
09-SEP-1997.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US2003096961-A1.
22-MAY-2003.
AAB61480 standard;
Human CTH protein.
                                                                                                                                                        US2004235768-A1.
25-NOV-2004.
                                                                                                                                                                                                         $6699688-b1.
)2-MAR-2004.
)2-MAR-2004.
)14.7%; Score 227;
14.7%; Score 227;
14.7%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH )
                                                                                                                                (KORN/) KORNECKI E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GETH ) GENENTECH INC
                             Local Similarity
                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ocal Similarity
                            UNIV NEW YORK STATE
th 14.7%;
Similarity 89.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENENTECH INC
                                                                                                                                                                             peptide;
         protein;
                                                                                                              14.7%;
100.0%;
                                                                                                                                                                                                                                                                                            14.8%;
28.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15.0%;
29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15.0%;
29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15.0%;
29.4%;
                                                                                                                                                                                                                                                                                                                                               receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     transmembrane protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ı; 365 AA.
ı protein
                             RES FOUND.
Score 227;
Pred. No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               327
                                                                                                                                                                                        42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                FI.
                                                                                                                                                                                        8
                                                                                                                                                                                                                                                                                                                                                         ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ₿
                                                                                                                                                                                                                                                                                                                                               CIXI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 232;
No. 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    232;
No. 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   232;
No. 9
                                                                                                                227;
. No.
                                                                                                                                                                                                                                                                                             229; DB 8;
No. 1.5e-08;
                                                                                                                                                                                                                                                                                                                                                                               232; DB 4;
No. 1e-08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              232;
No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 sequence SEQ
                                                                               fragment
                               2.3e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              1e-08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; DB 8;
9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                 ij
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9e-09;
                                                                                                                DB 8;
1.9e-09;
                                                                                                                                                                                                            1.9e-09;
                                                                                                                                                                                                                                                                                                                                               overexpressed
                                                                                                                                                                                                                      B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB
                                                                                                                                                                                                                                                                                                                                                                                                                                 NO:6377
                                                                                                                                                                                                                     8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                          Length
                                                                                                                                                                                                                     Length
                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ħ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NO:847.
                                                                                                                                                                                                                                                              #
                                                                                                                                                                                                                                                                                                                                               ä
                                                                                                                                                                                                                       42;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           327;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              327;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              327;
                                         50;
                                                                                                                                                                                                                                                                                                                                                cancer.
```

```
Best Local Similarity RESULT 1322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 1320
                                                                                                                                                                                                                                                                                        Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 1317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
RESULT 1316
                                              Query Match
                                                                                                                                       Query Match
                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                    Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                  ABU12083 standard; protein; 2572 AA. Human NOV25b CG93858-02 protein SEQ ID WO200281655-A2. 17-OCT-2002.
ADP73149 standard; protein; Angiogenesis inhibitor humar FR2843753-A1.
                                                                                                                                                                             ADK60225 standard; protein; Angiogenesis differentially FR2836687-A1.
                                                                                                                                                                                                                                                                                                                                                 ADS98860 standard; protein; protein factor discovery rel WO2004087874-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                               Human therapeutic protein WO2004080148-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                          T 1317
ADS10483 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADG39844 standard;
Protein similar to
US2003203843-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200100672-A1.
                                                                                    ADK60526 standard; protein; Angiogenesis differentially FR2836686-A1.
                                                                                                                                                                    05-SEP-2003
                                                        (GENE-) GENE SIGNAL.
(ALMA/) AL MAHMOOD S.
                                                                                                                                               (GENE-) GENE SIGNAL. (ALMA/) AL MAHMOOD S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (PENA/)
(GUOX/)
                                                                                                                                                                                                                                                                                                                                           14-OCT-2004.
                                                                                                                                                                                                                                                                                                                                                                                                            (NUVE-) NUVELO INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (MILL-) MILLENNIUM
                                                                                                                                                                                                                                         (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                    (NUVE-) NUVELO INC. (DRMA/) DRMANAC R T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (KEKU/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SMIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PADI/)
                                                                                                                            ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                      ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PENA C E A.
GUO X.
SHIMKETS R A.
PADIGARU M.
KEKUDA R.
SPYTEK K A.
MEHRABAN F.
TOPPER J N.
MALYANKAR U M.
WASSERMAN S M.
EDINGER S R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GUNTHER
KOMUVES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SMITHSON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          L in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              <u>۾</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein; 1708 AA. human NOV9 #5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PHARM INC.
                                                                                                                                                                                                                    13.9%;
                                     13.9%;
29.2%;
                                                                                                                            13.9%;
29.2%;
                                                                                                                                                                                                                                                                                                  13.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14.6%;
                                                                                                                                                                                                                                                                                                                                                                                          13.9%;
29.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13.9%;
        human
                                                                                                                                                                                                                                                                                                                                                              related
                                                                                                                                                                                                                                                                                                                                                                                                                                         2537 AA.
SEQ ID 720.
                                                                                               2673 AA.
expressed
                                                                                                                                                                                       2673 AA.
expressed
                 2673
                                                                                                                                                                                                                                                                                                                                                                      2537
       2673 AA.
protein
                                      Score
Pred.
                                                                                                                             Score 214.5;
Pred. No. 2e-
                                                                                                                                                                                                                    Score 214.5; DB 6;
Pred. No. 1.9e-06;
                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 225;
Pred. No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 214.5; DB 7; Pred. No. 1.2e-06;
                                                                                                                                                                                                                                                                                                                                                             AA.
human
                                                                                                                                                                                                                                                                                                   No. 1.9
                                      214
No.
                                                                                                                                                                                                                                                                                                                                                                                           214.5; DB 8;
No. 1.9e-06;
         sequence,
                                                                                                                                                                                        protein GS-P52
                                                                                                protein
                                     .5;
2e-
                                                                                                                                                                                                                                                                      98
                                                                                                                                                                                                                                                                                                                                                             contig
                                                                                                                                                                                                                                                                                                   ; DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 4;
                                       , 90-
8d
                                                                                                                             , 30.
                                                                                                                                       8
                                                                                                 GS-P52
                                                                                                                                                                                                                                                                                                                                                             polypeptide,
          GS-P52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                             Length
                                                                                                                                       Length
                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              325;
                                                                                                                                         2673;
                                                2673;
                                                                                                                                                                                                                                 2572;
                                                                                                                                                                                                                                                                                                                                                               SEQ ID 1124.
```

```
веят Local Similarity
RESULT 1324
                                                                    Best Local Similarity RESULT 1327
                                                                                                                                                Query Match
Best Local Similarity
RESULT 1326
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 1323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 1325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                             (ALSO/) ALSOBROOK J P.
(ANDE/) ANDERSON D W.
(BOLD/) BOLDOG F L.
(BURG/) BURGESS C E.
                                      ADU66696 standard; peptide; 42 AA.
Human FAM endoproteinase GluC proteolytic peptide.
US2004235768-A1.
                                                                                                                  Human FAM, Glu-C proteolytic US6699688-B1.
                                                                                                                           ADK40856 standard; peptide; 42 AA.
Human FAM, Glu-C proteolytic fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADO08273 standard; protein;
Human NOVX polypeptide #10.
US2004018594-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human protein of the invention NOV43c WO2003102155-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200290504-A2.
14-NOV-2002.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABU69135 standard; protein;
Human NOVX polypeptide #10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GENE/) GENE
(ALMS/) AL M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      27-FEB-2004
                                                                                                           02-MAR-2004.
                                                                                                                                                                                                                                                                                                                                        (KEKU,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADH72106 standard; protein;
                                                                            (UYNY ) UNIV NEW YORK STATE
TY MATCH 13.9%;
Local Similarity 97.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
 Match
                                                                                                                                                                           PENA C E A.
RIEGER D K.
SHIEGER G K.
SHIMKETS R A.
SPYTEK K A.
TAUDIER R J.
VERNET C A M.
VOSS E Z.
ZERHUSEN B D.
                                                                                                                                                                                                                                                                                                                                                                            CASMAN S J.
CHAPOVAL A.
EDINGER S R.
GERLACH V.
GORMAN L.
          KORNECKI E.
                                                                                                                                                                                                                                                                                                                                                           GUNTHER E. GUO X S.
                                                                                                                                                                                                                                                                    PADIGARU M.
PATTURAJAN M.
                                                                                                                                                                                                                                                                                        MILLER C E.
MILLET I.
                                                                                                                                                                                                                                                                                                             MALYANKAR U M.
                                                                                                                                                                                                                                                                                                                                        KEKUDA R.
LEPLEY D M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    လ လ
          w
                                                                                                                                                                                                                                                                                                                                                                                                                                                             שי
                                                                                                                                                          13.9%;
29.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13.9%;
29.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13.9%;
 13.9%;
                                                                           RES FOUND.
Score 214;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4495
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4495 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4495 AA.
 Score 214;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 214.
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                         Score 214.5; DB 8; Pred. No. 3.7e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 214.5; DB Pred. No. 2e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .5; DB 8;
3.7e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3.7e-06;
                                                                            DB 8;
.7e-08;
 B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ħ
 в
--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NO:1002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8;
Length
                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 2673;
                                                                                                                                                                   Length 4495;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 4495;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 4495;
 42;
                                                                                       42;
```

```
Query Match
Best Local (
RESULT 1331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT AB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best
RESULT
                                                    Best Local Similarity RESULT 1333
                                                                                                                                           Query Match
Best Local Similarity
RESULT 1332
                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human thrombospondin protein; WO200174852-A2.
                                                                                                          ABU12084 standard; protein; 1902 AA.
Human NOV25c CG56914-03 protein SEQ
WO200281625-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABG03933 standard; protein; Novel human diagnostic prote WO200175067-A2.
                                                                                                                                                                                                                                                                                                                                                  ADG39840 standard; protein; 1708 AA. Protein similar to human NOV9 #1. US2003203843-A1.
                   ADH72108 standard; protein; 1902 AA.
Human protein of the invention NOV43d SEQ ID NO:1004.
WO2003102155-A2.
                                                                                                                                                                                                                                                (PADI/
(KEKU/
(SPYT/
(MEHR/
                                                                                                                                                                                                                                                                                                      (PENA/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Protein similar
US2003203843-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADG39841 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (FARB ) BAYER CORP.
                                                                                    17-OCT-2002.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                    (WASS,
(EDIN,
(SMIT,
                                                                                                                                                                                                                                                                                                                                                                                                                                            TIMS)
(CURA-) CURAGEN CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KEKU/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (PENA/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                 SMITHSON G.
GUNTHER E.
KOMUVES L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GUO X.
SHIMKETS R A.
PADIGARU M.
                                                                                                                                                                                                  SHIMKETS R A
PADIGARU M.
KEKUDA R.
KEKUDA R.
KENDA K A.
MEHRABAN F.
TOPPER J N.
MALYANKAR U I
MASSERWAN S R.
EDINGER S R.
SMITHSON G.
                                                                                                                                                                            GUNTHER E. KOMUVES L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    WASSERMAN S I
EDINGER S R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     KEKUDA R.
SPYTEK K A.
MEHRABAN F.
TOPPER J N.
                                                                                                                                                                                                                                                                                                                                                                                               Similarity
                                                                                                                                                                                                                                                                                                                             PENA C E A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PENA C E A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                       Þ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein; 17 human NOV9
                                                                                                                                                                                                                         33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                33
                                                                13.8%;
29.2%;
                                                                                                                                                        13.8%;
                                                                                                                                                                                                                                                                                                                                                                                               13.8%;
29.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          rotein; 1336 AA.
protein, BTL.012.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13
29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     97.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   tein; 1240 AA.
protein #3924.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     . 2 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1708 AA.
V9 #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 213.
Pred. No.
                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                             Score 213.5; DB 7; Pred. No. 1.4e-06;
                                                                Score 213.5; DB 6; Pred. No. 1.6e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 213.5; DB 4
Pred. No. 9.6e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pred. No.
                                                                                                                                                        213.5; DB 7
No. 1.4e-06;
                                                                                                                       IJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3.5; DB 5
                                                                                                                       88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.7e-08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 4;
                                                                                                                                                                  DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5,
                                                                          Length 1902;
                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 1240;
                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
```

```
Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         G-coupled protein WO200283841-A2.
                                                                                                                                                                                                 ADJ83136 standard;
Human hemicentrin p
US2003170630-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADL93997 standard; protein; 1953 AA. Human G-coupled protein receptor-rel US200400625-A1.
08-JAN-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADE16058 standard;
                                                                      (CASM/
                                                                                             (VERN/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                              PENA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                           ) GERLACH V.
       CASMAN S J.
BOLDOG F L.
GORMAN I.
GANGOLLI E A.
FERNANDES E R.
RIEGER D K.
EDINGER S R.
GUNTHER E.
GUNTHER E.
                                                                                           SPYTEK K A.
ZERHUSEN B D.
PATTURAJAN M.
LEPLEY D M.
BURGESS C E.
SHIMKETS R A.
GROSSE W M.
SZEKERES E S.
VERNET C A M.
                                                                                                                                                                                                                                                                               PATTURAJAN M.
BURGESS C E.
MALYANKAR U M.
                                                                                                                                                                                                                                                                                                                                                     ZHONG H.
SMITHSON G.
CASMAN S J.
BOLDOG F L.
VOSS E Z.
VERNET C A.
                                                                                                                                                                                                                                                                                                                              MACDOUGALL J R.
RASTELLI L.
ANDERSON D W.
                                                                                                                                                                                                                                                                                                              ZHONG M.
MEZES P S.
                                                                                                                                                                                                                                                                                                                                                                                                     MILLER C
SPYTEK K
ZERHUSEN
PENA C E
SHENOY S
                                                                                                                                                                           TCHERNEV V T.
                                                                                                                                                                                                                                                         TAUPIER R J.
EDINGER S.
                                                                                                                                                                                                                                                                        SHIMKETS R A.
                                                                                                                                                                                                                                                ?
                                                                                                                                                                                                                                                                                                                                                                                                    ១៦១៦២
                                                                                                                                                                                                         l; protein;
protein -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 receptor r
                                                                                                                                                                                                                                                                                                                                                                                                                     .
                                                                                                                                                                                                                                 13.8%;
29.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13
29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          . 84;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   receptor-related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; 1953 AA.
related polypeptide,
                                                                                                                                                                                                          3645 AA.
SEQ ID 127.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                 Score 213.5; DB 8; Pred. No. 1.6e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 213.5; DB 8 Pred. No. 1.6e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            213
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.6e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ
                                                                                                                                                                                                                                         Length 1953;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 1902;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 1953
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ŏ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  88
```

```
Query Match
Best Local Similarity
RESULT 1337
                                                                                                       Query Match
Best Local Similarity
RESULT 1341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Loca:
RESULT 1338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                   23-OCT-20v...
(MITO-) MITOKOR.
(BUCK-) BUCK INST AGE RES.
(Buck-) 13.8%; (13.8%; (29.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human hemicentin/FIBL-6 protein, SEQ ID US2005176662-Al.
                                         ADK60205 standard; protein; Angiogenesis differentially FR2836687-A1.
                                                                                                                                                                                                                                                                                                                                       Human hemicentin US2003170630-A1.
                                                                                                                                                                                                                                                                                                                                                                                                            ADJ70089 standard; protein; 5636 AA. Human heat micochondrial protein as a therapeutic WO2003087768-A2.
23-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABP60991 standard; protein; Novel human protein. SEQ ID W0200250105-Al.
                                                                                              (MACD/)
                                                                                                                                                                                                                                                                                                                                                        ADJ83137 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SMIK ) SMITHKLINE I
(SMIK ) SMITHKLINE I
(GLAX ) GLAXO GROUP
           (GENE-) GENE SIGNAL
                                                                                                                                  (MILL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (UYMI-) UNIV MIAMI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (MACD/) MACDOUGALL J
(SMIT/) SMITHSON G.
                                                                                                                                                                                                                                                                                                             (TCHE/)
Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ocal Similarity
                                                                                             ) MILLET I.
) SCIORE P.
) ELLERMAN K.
) MACDOUGALL J.
) SMITHSON G.
                                                                                                                                        GORMAN L.
GANGOLLI E A.
FERNANDES E R.
RIEGER D K.
EDINGER S R.
GUNTHER E.
                                                                                                                                                                                                                    SPYTEK K A.
ZERHUSEN B D.
PATTURAJAN M.
LEPLEY D M.
BURGESS C E.
SHIMKETS R A.
GROSSE M M.
SZEKERES E S.
VERNET C A M.
                                                                                                                                                                                             CASMAN S
BOLDOG F
                           GENE SIGNAL
                                                                                                                                                                                                                                                                                                      DIT
                                                                                                                                                                                                                                                                                                             TCHERNEV V
                                                                                                                                                                                                                                                                                                                      ALSOBROOK J P.
                                                                                                                                                                                                                                                                                                                                              d; protein;
protein - s
                                                                                                                                                                                            F 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BEECHAM
                 Ġ
                                                                                                        4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      13.8%;
29.2%;
                                                                             13.8%;
29.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13.8%;
29.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 13.8%;
29.2%;
29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORP.
                                                                                                                                                                                                                                                                                                                                                5636 AA.
SEQ ID 128.
                                                   5636 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5635 AA.
78.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
Score
Pred.
                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 213.5; DB 7; Pred. No. 3.4e-06;
                                                                              No. 5.6
                                                                                                                                                                                                                                                                                                                                                                           No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              213
No.
213.5; DB 8;
No. 5.6e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      213.5; DB 5;
No. 5.6e-06;
                                                    protein GS-P29
                                                                                                                                                                                                                                                                                                                                                                           5.6e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5.6e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .
No
                                                                              ; DB 7;
                                                                                                                                                                                                                                                                                                                                                                                  7;
                                                                                                                                                                                                                                                                                                                                                                                                                              target SeqID1895
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
        Length
                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5622;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5635;
                                                                                       5636;
```

```
RESULT 1342
ID ADK6050
DE Angioge
PN FR28366
PD 05-SEP-
PA (GENE-)
PA (ALMA/)
                     Best Local Similarity RESULT 1350
                                                                                                     Best Local
RESULT 1349
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
RESULT 1345
                                                                                                                                                                                    Best Local Similarity RESULT 1348
                                                                                                                                                                                                                            PA PR DE
                                                                                                                                                                                                                                                                                                                                                                                                                PA
PA
PA
PA
PA
PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 1344
                                                                                                                                                                                                                                                                                        RESULT 1347
                                                                                                                                                                                                                                                                                                                                                                       RESULT 1346
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 1343
                                                                                                                         Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADK60506 standard; protein; Angiogenesis differentially FR2836686-A1.
                                                                       Human novel protein US2003077606-A1.
                                                                                                                                                      Human immunoglobulin WO200155315-A2.
                                                                                                                                                                 AAU18038 standard;
Human immunoclobul
                                                                                                                                                                                                                                                         Human hemicentin
US2005164277-A1.
                                                                                                                                                                                                                                                                                                                                        Human hemicentin
US6867291-B1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    AEB34668 standard; protein; 4126 AA.
Human hemicentin protein, SEQ ID 4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human hemicentin
US6867291-B1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADP73129 standard; protein; sangiogenesis inhibitor human FR2843753-A1.
AAB08940 standard; protein; 245 AA.
Human secreted protein sequence encoded
                             (HUMA-) HUMAN GENOME SCI INC.
ry Match 13.6%;
t Local Similarity 26.3%;
                                                                                           ADB31662 standard;
                                                                                                                                                                                                                                                                  AEB34666 standard; protein;
Human hemicentin protein, SI
                                                                                                                                                                                                                                                                                                                                                                                                                                            US2005164277-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADY74314 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GENE-) GENE SIGNAL (ALMA/) AL MAHMOOD
                                                                                                                                                                                                                (TURN/) TURNER C A. (MATH/) MATHUR B. (DONO/) DONOHO G.
                                                                                                                                                                                                                                                                                                                  (LEXI-) LEXICON GENETICS INC.
                                                                                                                                                                                                                                                                                                                                                              ADY74312 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GENE/) GENE S. (ALMS/) AL M S.
                                                                                                                                                                                                                                                                                                                                                                                                   (TURN/) TURNER C
(MATH/) MATHUR B.
(DONO/) DONOHO G.
                                                                                                                                  HUMA-) HUMAN GENOME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LEXI-) LEXICON GENETICS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                 ocal Similarity
                                                                                                                                                                                                                                                                                                              Match
                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                         ₽
                                                                                                                                                                                                                                                                                                                                                   1; protein;
protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; protein; 4126
protein lacking
                                                                                protein; 294 AA.
n SEQ ID NO 183.
                                                                                                                                                                protein; 294 AA.
in polypeptide SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             protein; 5636 AA.
ltor human protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 S
                                                                                                              13.6%;
26.3%;
                                                                                                                                                                                                                                                                                                 13.8%;
29.2%;
                                                                                                                                                                                            13.8%;
29.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13
29
                                                                                                                                                                                                                                                                                                                                                                                13.8%;
29.2%;
                                                                                                                                                                                                                                                                  n; 5518
SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5636 AA.
                                                                                                                                                                                                                                                                                                                                                             5518
                               Score
Pred.
                                                                                                              Score
Pred.
                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 213.5;
Pred. No. 5.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     part
                                                                                                                                                                                                                                                                                                  212.5;
No. 6.5
                                                                                                                                                                                                                                                                                                                                                                                212.5;
No. 4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   213.
No.
                               210;
No. 3.
                                                                                                              210;
No. 3.
                                                                                                                                                                                              212.
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    212.
No.
                                                                                                                                                                 딩
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               sequence,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ğ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein GS-P29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5.6e-06;
                                                                                                                                                                                             6.5e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4.6e-06;
                                                                                                                                                                                                                                                                                                                                                                                  4.6e-06;
 γ
                                                                                                                                                                ŏ
                                                                                                                                                                                                                                                                                                 ; DB 9;
                               DB 7;
.2e-07;
                                                                                                              DB 4;
.2e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; DB 8;
 gene
                                                                                                                                                                 183
                                                                                                                                                                                                                                                                                                                                                                                           DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      N-terminus
                                                                                                                                                                                                                                                                                                                                                                                          9,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GS-P29
  13
                                                                                                                        Length
                                                                                                                                                                                                                                                                                                           Length 5518;
                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
  SEQ
  日
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5636;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5636;
  NO: 97
```

```
Query Match
Best Local S
RESULT 1355
                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
RESULT 1356
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 1353
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
RESULT 1351
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 1354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Novel human seco
WO200193983-A1.
13-DEC-2001.
                                                                                                                                                                                                                                                                                                                                                   Human PRO5723 p
WO200200690-A2.
                               ADY31956 standard;
                                                                                                                                                                                                                                                            ABB95562 standard; protein; 352 AA. Human angiogenesis related protein WC200208284-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                          AAB65294 standard;
Human PRO5723 prote
WO200073454-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB50930 standard; protein;
Human PRO5723 protein.
WO200073452-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY72878 standard;
Human PRO5723 prote
WO200116319-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO200017222-A1.
30-MAR-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB08926 standard; protein; 246 AA.
Human secreted protein sequence encoded
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200017222-A1
30-MAR-2000.
                                                                                                                                                                         (GODD)
                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (HUMA-) HUMAN GENOME
                                                                                                                                                                                                                                                                                                                                                                           ABB84956 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (HUMA-) HUMAN GENOME
                                                                                                                                                                                                                               BAKE/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                      GODDARD A.
GODOWSKI P J.
GURNEY A L.
HILLAN K J.
MARSTERS S A.
                                                                                    PAONI N F.
STEPHAN J F.
WATANABE C K.
WILLIAMS P M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENENTECH INC.
                                                                                                                                                                                                                               GENENTECH
BAKER K P.
                                                     Similarity
                                                                                                                                                                                                                                                                                                                                GENENTECH INC.
                                                                           800
                                                                                                                                                                                               GERRITSEN M E.
                                                                                                                               PAN J
                                                                                                                                                                                                                     FERRARA N.
                 secreted and tra
                                                                           Σ
                                                                                                                                                                                                                                                                                                                                                              dard; protein; 352 AA.
protein sequence SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                    dard; protein; 352 AA.
protein sequence SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              dard; protein; 352 AA.
protein encoded by DNA82361
                                                                                                                                                                                                                                          INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3 SCI INC.
13.5%;
30.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SCI INC.
13.5%;
30.4%;
                                                                                                                                                                                                                                                                                                                                                                                                13.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13.4%;
26.7%;
                                                    13.
26.
                                                                                                                                                                                                                                                                                                         13.
26.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13.4%;
26.7%;
                     transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                    207
No.
                                                                                                                                                                                                                                                                                                                                                                 Ħ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          207
No
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    208.5; DB 3;
No. 3.4e-07;
                                                                                                                                                                                                                                                                                                                                                                                                207.5; DB 4;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ä
                                                                                                                                                                                                                                                                                                         207.5; DB 5;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     207.5; DB 4;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                208.5; DB 3;
No. 3.4e-07;
                                                                                                                                                                                                                                                                          PRO5723
                                                    6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                 NO:280.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      NO:505
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .5; DB 4;
6.1e-07;
                    protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    λq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CDNA
                                                                                                                                                                                                                                                                          SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     gene
                                                                                                                                                                                                                                                                          Ħ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13
                                                                                                                                                                                                                                                                          ö.
                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ij
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           246;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NO:83.
```

```
MATCH

METCH

ME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AB-2003.

-y Match
Aest Local Similarity
RESULT 1359
ID ABU59187 stand*
PN US20021*
PD 19-**
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT
ID ABI
DE NOT
PN US:
PD 06-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
RESULT 1362
                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
RESULT 1364
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT
ID AB
DE Hu
PN US
PD 31
PA (G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 1358
                                                                                                                                                                                                                                                                                                                                                 PAPRI
                                                                                                                                                                                                                                                                                                         Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                       ABG74762 standard; protein;
Human PRO5723 protein.
US2002192752-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human PRO polypeptide #141.
US2003027163-Al.
06-FEB-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human secreted/transmembrane US2002160384-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel human secreted or transmembrane US2002132252-A1.
                                                                                                                                                                                                                                                                                                                                                                                  ABU14000 standard; protein; Human PRO5723 polypeptide. US2002103125-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABO33812 standard; protein; Novel human secreted and traUS2003045687-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABU80846 standard; protein;
Human PRO polypeptide #108.
                                                                                                                                                                                                                                              ABU72585 standard; protein; 352 AA.
Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human secreted/transmembrane US2003032023-A1.
                                                                                                                                                                                                                              US2003003531-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US2003036635-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABU60618 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                       ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENENTECH INC
                                                                                                                                                                                      GENENTECH
                                                                                                                                                                                                                                                                                                                                         GENENTECH LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENENTECH
Similarity
                                   GENENTECH
                                                                                                                                                                                          INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       protein;
                                                                                                                                                    13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                       13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13.4%;
26.7%;
13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  352 AA.
e protein
                                                                                                                 352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           352
                                                                                                                                                                                                                                                                                                                                                                                                                        352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           352 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    352 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
Score
Pred.
                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   207
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 207
No.
207.5; DB 6
No. 6.1e-07;
                                                                                                                                                    207
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              207
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     207
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          207.5; DB 6;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  207
No.
                                                                                                                                                                                                                                                                                                       207.5; DB 6;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           207.5; DB 6;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRO5723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7.5; DB 6;
6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein PRO5723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .5; DB 6; 6.1e-07;
                                                                                                                                                    .5; DB 6;
6.1e-07;
                                                                                                                                                                                                                                                protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .5; DB 5;
6.1e-07;
                 6;
             Length
                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
```

```
RESULT 1367
ID ABU5933
                                     Query Match
Best Local Similarity
RESULT 1376
                                                                                                                                                                                                                                                                  Best Local Similarity
RESULT 1373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 1369
                                                                                                                                                                                               Best Local Similarity RESULT 1374
                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
RESULT 1371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 1370
                                                                                                                  Best Local Similarity RESULT 1375
                                                                                                                                                                                                                                                                                                                                      Best Loca
RESULT 1372
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 1368
                                                                                                                                       Query
                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                      Query
                                                                                                                                                                                                                                                                                                                                                          Query
                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
ABU88646 standard; p
Human secreted and t
US2002197615-A1.
26-DEC-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel human secreted and tra.
US2003088063-A1.
08-MAY-2003.
                                                                                                                                                           Human PRO polypeptide #141. US2002123463-A1.
                                                                                                                                                                                                                                                                                                Novel human secreted or tran US2003027985-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABU59334 standard; protein; Human secreted/transmembrane US2003027162-A1.
                                                                                                                                                                                                                                      ABU92249 standard;
Novel human secret
US2003017476-A1.
                                                                                                                                                                                                                                                                                                                                                                           ABU92418 standard; protein; Novel human secreted and traus2003022187-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human sectreted/transmembrane US2002142961-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABO26031 standard;
Human PRO5723 polyg
US2002127576-A1.
                                                                                                 Novel human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABU59040 standard; protein;
                                                                                       US2002177164-A1.
                                                                                                          ABU81707 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH )
                                                                                                                                                                                                                                                                                                                                              ocal Similarity
                                                                                                                                        Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   88u--
-2003.
) GENENTECH INC.
13.4%;
11- 26.7%;
                                                                                                                                                GENENTECH
                                                                   GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                     GENENTECH
                                                                                                                                                                                                                                           andard; protein;
secreted and tra
                                                                                               andard; protein; 352 AA. secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          dard; protein; polypeptide.
                                        H INC.
13.
26.7*
                                                                                                                           i INC.
13.4%;
y 26.7%;
                            protein; 352 AA
                   transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                13.4%;
26.7%;
                                                                                                                                                                                                        13.4%; 26.7%;
                                                                                                                                                                                                                                                                                                                                              13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13.4%;
26.7%;
                                                                                                                                                                                                                                                                            13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                     rotein; 352 AA.
and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               and transmembrane
                                                                                                                                                                                                                                                                                                                  ein; 352 AA.
transmembrane
                                                                                                                                                                                                                                               in; 352 AA.
transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       352
                                                                                                                                                                                       352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      352
                                                                                                                            Score
Pred.
                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Æ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ŗ
                                                                                                                                                                                       ₹
                   polypeptide PRO5723
                                                                                                                                                                                                                                                                                                                                                207
No.
                                                                                                                                                                                                                                                                                                                                                                                                                   207
No.
                                                207
No.
                                                                                                                            207.5; DB 6;
No. 6.1e-07;
                                                                                                                                                                                                          207
No.
                                                                                                                                                                                                                                                                              207
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             207
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        207.5; DB 6;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               207.5; DB 6;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                   protein
                                                                                                                                                                                                                                                                                                                                                7.5; DB 6;
. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                   7.5; DB 6;
. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #177.
                                                                                                                                                                                                          6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6.1e-07;
                                                ٠
ن
                                                                                               protein
                                                                                                                                                                                                                                                                              .5; DB 6;
6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                     protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #177.
                                                                                                                                                                                                                                                protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein
                                                ; DB 6;
.1e-07;
                                                                                                                                                                                                                  <u>.</u>6
                                                                                                                                                                                                                                                                                                                    PRO3301.
                                                                                                PRO5723
                                                                                                                                                                                                                                                 PRO5723
                                                                                                                                                                                                                                                                                                                                                                                      PRO5723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PR05723
                                                          Length
                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                       Length
                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                           352;
```

(GETH)

GENENTECH INC

```
Query Match
Best Local S
RESULT 1386
                                                                                                                                                                                                     pest Local Similarity
RESULT 1383
B B B B
                                                                                                                2 2 E E
                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 1380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PR
PR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 1377
                                                                                                                                                RESULT 1384
                                                                                                                                                                        BABE
                                                                                                                                                                                                                                BBBB
                                                                                                                                                                                                                                                                                         BABB
                                                                                                                                                                                                                                                                                                                        RESULT 1381
                                                                                                                                                                                                                                                                                                                                                 PAPRE
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 1379
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESUL
                                                                                       RESULT
                                                                                                                                                                                                                                                                RESULT 1382
                                                                                                                                                                                                                                                                                                                                                                                                 Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO5723 polypeptide. US2003017981-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABJ72335 standard;
Human PRO5723 prote
US2003050448-A1.
       Human PRO5723 protein. US2003027988-A1.
                       ABJ72463 standard;
                                                             Human secreted/transmembrane US2003059780-A1.
                                                                              ADA38946 standard;
                                                                                                                       Human secreted/transmembrane US2003059832-A1.
                                                                                                                                       ADA94721 standard;
                                                                                                                                                                              Human secreted/transmembrane US2003054359-A1.
                                                                                                                                                                                                                                       ADA18033 standard;
Human PRO5723 poly;
US2003054987-A1.
                                                                                                                                                                                                                                                                                         27-MAR-2003.
                                                                                                                                                                                                                                                                                                Human secreted/transmembrane US2003059831-A1.
                                                                                                                                                                                                                                                                                                                 ADA10489 standard;
                                                                                                                                                                                                                                                                                                                                                        Human secreted/transmembrane US2003054404-A1.
                                                                                                                                                                                                                                                                                                                                                                         ADA21702 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                         Human secreted/transmembrane US2003008297-A1.
                                                                                                                                                                                                ADA28141 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                          ADA38016 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH )
                              Local Similarity
                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                       Local Similarity
                                                                                              Local Similarity
                                                                                                                                                      ocal Similarity
                                                                                                                                                                                                                                                                                                                                         Match
                                                                                                                                                                                                                                                                                                                                                                                                  Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Match
                                                                                                                                                                                                                                                                                                                                                                                                         GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENENTECH
                                                                                                                                                                                                                                               polypeptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein.
                                                                                                                                                                                                                                                                                                                                                                                       13.4%;
13.4%;
ty 26.7%;
                                                                              protein; 352 AA.
                                                                                                                                      protein;
                                                                                                                                                                                                                                                                                                                                                                         protein;
                        protein;
                                                                                                                                                                                                protein;
                                                                                                                                                                                                                                                       protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                          protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein;
                                                                                                                                                                                                                                                                                                                 protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         13.4%;
26.7%;
                                      13.4%;
                                                                                                                                                      13.4%;
26.7%;
                                                                                                                                                                                                               13.4%;
                                                                                                                                                                                                                                                                                                                               13.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 13.4%;
                                                                                               13.4%;
                                                                                                                                                                                                                                                                        13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         13.4%;
                                                                                                                                                                                                                                                                                                       352 AA.
ne protein,
                                                                                                                                                                                                352
                                                                                                                                                                                                                                                                                                                                                                                                                                        352
                                                                                                                                      352 AA
                                                                                                                                                                                                                                                                                                                                                               352 AA.
e polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  352
                                                                                                                                                                                                                                                       352
                                                                                                                                                                                     352 AA.
protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          352
                                                                                                                                                                                                                                                                                                                                                                                                                               352 AA.
protein
                                      Score
Pred.
                                                                                               Score
Pred.
                                                                                                                                                      Score
Pred.
                                                                                                                                                                                                               Score Pred.
                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                              protein
                                                                      protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ξ
                        ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ₹
                                                                                                                                                                                                               207
No.
                                                                                                                                                                                                                                                                         207
No.
                                                                                                                                                                                                                                                                                                                                                                                         207
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          207.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 207
No.
                                       207.5; DB 6
No. 6.1e-07;
                                                                                               207.5; DB 6
No. 6.1e-07;
                                                                                                                                                      207.5; DB 6;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                207.5; DB 6;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          207.5; DB 6;
No. 6.1e-07;
                                                                       PRO5723
                                                                                                                               PRO5723
                                                                                                                                                                                        PRO5723
                                                                                                                                                                                                                                                                                                                                                                                                                                 PRO5723
                                                                                                                                                                                                               6.1e-07;
                                                                                                                                                                                                                                                                                                        PRO5723
                                                                                                                                                                                                                                                                                                                                                                                         6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .5; D
                                                                                                                                                                                                                                                                         .5; DB 6;
6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                 PRO5723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 6;
e-07;
                                                                                                                                                                                                                                                                                BB
                                              6,
                                                                                                      6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                               Length
                                                                                                      Length
                                                                                                                                                              Length
                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
```

```
27-MAR-2\
27-MAR-2\
Query Match
Best Local
RESULT 1
                   Query Match
Best Local S
RESULT 1396
ID ADB80812
                                                                                                                                                                                                                                                      Best
RESULT
ID AB
                                                                                                                                                                                                                                                                                                                                     Best
RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best
RESULT
                                                                                                                                                                               Best Local Similarity RESULT 1394
                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 1391
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local
RESULT 1390
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local
RESULT 1389
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local
RESULT 1387
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                        Query
                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                               ADA39487 standard; protein; Human secreted/transmembrane US2003059782-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                               ADA22628 standard; protein; Human secreted/transmembrane US2003040473-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADA93067 standard; protein; : Human secreted/transmembrane US2003060407-A1.
                                                                            Novel human secr
US2003073814-A1.
                                                                                                                                                                                                                                 Human membrane bound US2003065147-A1.
                                                                                                                                                                                                                                                                                                     ADA06794 standard; protein; i
Human secreted/transmembrane
US2003049638-A1.
                                                                                                                                                                                                                                                                                                                                                                          ABO22616 standard; protein; Human secreted/transmembrane US2003017982-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                       27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human secreted/transmembrane
US2003044806-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABO53246 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABO34358 standard; protein; i
Human secreted/transmembrane
US2003044934-A1.
ADB80812 standard; protein; Novel human secreted and trauscommon 152003088068-A1.
                                                                                                 ADB83706 standard;
                                                                                                                                                                                                                                                     ABJ72165 standard;
                                                                                                                                                                                                                                                                                             13-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                              ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                  ocal Similarity
                                      Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Similarity
                                                                                   secreted and tra
                                                                                                                                                                                                                                                     protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein;
                                     13.4%; 26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13.4%;
                                                                                                                     13.4%;
                                                                                                                                                                                                                                                                                                                                              13.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                   13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13.4%; 26.7%;
                                                                                                                                                                                         13.
26.
                                                                                                                                                                                                                                                                         13.
26.
                                                                                                                                                                                                                                           cotein; 352 AA.
receptor/protein
                                                                                                                                                                                                                                                                          . 74
         in; 352 AA.
transmembrane
                                                                                        transmembrane
                                                                                                 352
                                                                                                                                                                     352
                                                                                                                                                                                                                                                                                                                352 A
e PRO
                                                                                                                                                                                                                                                                                                                                                                                   352 AA.
e protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               352 AA.
e protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            352
                                                                                                                                                                                                                                                                                                                                                                                                                                                        352 AA.
e polypeptide
                                      Score
Pred.
                                                                                                                     Score
Pred.
                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                           protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein
                                                                                                                                                                                                                                                                                                     2 AA.
RO polypeptide #
                                       207
No.
                                                                                                                     207
No.
                                                                                                                                                                                                                                                                         207.
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        207.5; DB 7;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              207.5; DB 6
No. 6.1e-07;
                                                                                                                                                                                         207
No.
                                                                                                                                                                                                                                                                                                                                              207.5; DB 7;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                   207.5; DB 7;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            207.5; DB 6;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 207.5; DB 6;
No. 6.1e-07;
                                                                                                                                                             PRO5723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRO5723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRO5723.
                                                                                                                                                                                                                                                                                                                                                                                      PRO5723.
                                                                                                                                                                                                                                            PRO5723
                                       .5; DB 7, 6.1e-07;
                                                                                                                     .5; [
6.1e-
                                                                                                                                                                                         .5; DB 7;
6.1e-07;
                                                                                                                                                                                                                                                                          .5; DB 7;
6.1e-07;
         protein
                                                                                       protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRO
                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRO5723
                                                                                                                     DB 7;
e-07;
                                                                                                                                                                                                                                                                                                                  #141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6,
                                                                                                                                                                                                                                             amino
                                                Length
                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                               Length
                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                             acid
                                                  352;
                                                                                                                                                                                                                                            sequence.
```

```
Match

dest Local Similarity

RESULT 1397

ID ADB73353 stand

DE Novel hum

PN US200
                                                                                                                                                                                                                                                                        RESULT 1401
ID ADB7818
DE Novel 1
PN US20030
PD 15-MAY-
PA (GETH)
RESULT
ID AD
DE NO
PN US
PD 15
PA (G
                                                                                                                                    Best
RESULT
ID AD
DE Hu
PN US
PD 15
PA (G
                                                                                                                                                                                                                                                                                                                                                                                                                RESULT
ID AI
DE NO
PN US
PD 15
PA ((
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 1398
                                                                    P P P P E U
                                                                                                                                                                                                                                                                                                                                              REI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
         ADB73107 standard; I
Novel human secreted
US2003092887-A1.
15-MAY-2003.
                                                                                                                                               Human PRO polypeptide #108. US2003092890-A1.
                                                                                                                                                                                                                 Human PRO polypeptide #108. US2003088067-A1.
                                                                                                                                                                                                                                                                                                                                                       Human PRO polypeptide #108. US2003073817-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human PRO polypeptide #141.
US2003054403-A1.
20-MAB-200
                                                                                                                                                                                                                                                                                     Novel human secreted and transmembrane US2003092886-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                              ADB78435 standard; protein; 352 AA. Novel human secreted and transmembr US2003092889-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADB73353 standard; protein; 352 AA. Novel human secreted and transmembrane
                                                                                                    ADB83952 standard;
                                                                                    US2003069397-A1.
                                                                                            Novel human
                                                                                                                                                                                                        (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC
                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
1399
                                                                                                                   Local Similarity
                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                           Local Similarity
                                                            Match
                                                                                                                                                                                                Match
                                                                                                                                                                                                                                                                                                                                       Match
                                                                                                                                                                                                                                                                                                                                            GENENTECH INC
                                                                  GENENTECH
                                                                                                                                     GENENTECH
                                                                                                                                                                                                                                                                        GENENTECH INC.
                      andard; protein; secreted and tra
                                                                                           andard, protein;
secreted and tra
                                                                                                                                     INC.
                                                                   INC.
                                                  13.4%;
                                                                                                                   13.4%;
                                                                                                                                                                                       13.4%;
                                                                                                                                                                                                                                                         13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                           13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                               13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13.4%;
26.7%;
                                                                                            transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                        transmembrane
                         transmembrane
                                 352
                                                                                                    352
                                                                                                                                                                       352
                                                                                                                                                                                                                                         352
                                                                                                                                                                                                                                                                                                                                                                               352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           352
                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                  Score
Pred.
                                                                                                                    Score
Pred.
                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                              Score Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                 ₹
                                                                                                    ₿
                                                                                                                                                                       ⋛
                                                                                                                                                                                                                                         ₿
                                                                                                                                                                                                                                                                                                                                                                               ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ₽
                                                                                                                    207
No.
                                                                                                                                                                                                                                                                                                                            207.5; DB 7
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                               207
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            207
No.
                                                  207
No.
                                                                                                                                                                                       207.5; DB 7;
No. 6.1e-07;
                                                                                                                                                                                                                                                         207
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 207.5; DB 7;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              207.5; DB 7;
No. 6.1e-07;
                                                                                                                    7.5; DB 7;
6.1e-07;
                                                                                                                                                                                                                                                         7.5; DB 7
6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                7.5; DB 7;
6.1e-07;
                                                  6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6.1e-07;
                        protein
                                                                                           protein
                                                                                                                                                                                                                                                                                                  protein
                                                                                                                                                                                                                                                                                                                                                                                                                                        protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    protein
                                                                                                                                                                                                                                                                                                                                    7;
                                                                                                                                                                                                                                                                                                                                                                                                       7;
                                                                                                                                                                                                                                                                7;
                                                                                            PRO5723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRO5723
                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 352;
                                                         Length
                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                           352;
                                                                                                                                                                                                                                                                  352;
                                                                                                                                                                                                                                                                                                                                     352;
                                                                                                                                                                                                                                                                                                                                                                                                        352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         352;
```

GENENTECH INC

```
Query Match
Best Local Similarity
RESULT 1415
                                                                                                                                                                                                                                                                                                                                                                                                   Best Local
RESULT 1410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 1408
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 1406
                                                                                                     Best Local Similarity RESULT 1414
                                                                                                                                                                                                                                                       веят Local Similarity
RESULT 1412
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local
RESULT 1409
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Loca
RESULT 1407
                                                                                                                                                                               Best Local Similarity RESULT 1413
                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                           Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                Human PRO polypeptide #108. US200308065-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human PRO polypeptide #141. US2003027754-A1.
                                                                ADC49165 standard; protein;
Novel human secreted and tra
US2003088070-A1:
08-MAY-2003.
                                                                                                                                                                                                                     Human PRO polypeptide #108.
US2003096969-A1.
22-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human PRO polypeptide #141.
US2003045463-A1.
ADC49682 standard;
Novel human secrete
US2003088071-A1.
                                                                                                                                                  ADC49966 standard;
Novel human secrete
US2003088064-A1.
                                                                                                                                                                                                                                                                                                                                                                        ADC11683 standard; protein; Human secreted/transmembrane US2003069403-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                 Human PRO polypeptide #141.
US2003064375-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADC12216 standard; protein; Human secreted/transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                06-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US2003049681-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                          ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                          ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ocal Similarity
                                                                                                                                                                                9696,
-2003.
) GENENTECH INC.
13.4%; 5
                                                                                                      38003.
2003.
) GENENTECH INC.
13.4%; /
26.7%;
                                                        GENENTECH INC.
                                                                                                                                                                                                                                                                                    GENENTECH
         andard; protein; secreted and tra
                                                                                                                                                             andard; protein; 352 AA. secreted and transmembrane
                                                                                                                                                                                                                                                                i INC.
13.4%;
y 26.7%;
                                                                                                                                                                                                                                                                                                                                            13.4%;
                                                                                                                                                                                                                                                                                                                                                                                                            13.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13.4%;
26.7%;
                                     13.
26.
                                                                                   and transmembrane
          in; 352 AA.
transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 352 AA.
e protein
                                                                                              352
                                                                                                                                                                                                                                                 352
                                                                                                                                                                                                                                                                                                                          352
                                                                                                                                                                                                                                                                                                                                                                                          352
                                                                                                                                                                                                                                                                                                                                                                                                                                                           352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             352
                                                                                                                                                                                                                                                                                                                                                                                352 AA.
protein
                                                                                                                                                                                         Score Pred.
                                                                                                                                                                                                                                                                  Score
Pred.
                                     Score
Pred.
                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                              A
                                                                                                                                                                                                                                                 À
                                                                                                                                                                                                                                                                                                                                                                                                                                                            ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ጅ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               207
No.
                                                                                                                                                                                                                                                                   207
No.
                                                                                                                                                                                                                                                                                                                                            207
No.
                                                                                                                                                                                         207.5; DB 7;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                             207.5; DB 7
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              207.5; DB 7
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               207.5; DB 7
No. 6.1e-07;
                                      207.5; DB 7;
No. 6.1e-07;
                                                                                                                207
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             207.5; DB 7
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                  PRO5723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRO5723
                                                                                                                                                                                                                                                                                                                                            7.5; DB 7
. 6.1e-07;
                                                                                                                6.1e-07;
                                                                                                                                                                                                                                                                   6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.5; DB 7,
6.1e-07;
                                                                                                                                                             protein
                                                                                   protein
          protein
                                                                                                                                                                                                                                                                           7;
                                                                                                                                                                                                                                                                                                                                                     7,
                                                                                                                                                                                                                                                                                                                                                                                                                      7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        7;
           PRO5723
                                                                                                                                                              PRO5723
                                                                                                                         Length
                                              Length
                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                   352;
```

```
Query Match
Best Local Similarity
RESULT 1416
ID ADC47543 standard; I
DE Novel human secretec
PN US2003088072-A1.
PD 08-MAY-2003.
                                                                                                                                              веяt Local Similarity
RESULT 1423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 1419
                                                                                                       BABB
                                                                                                                                                                                         BBBBB
                                                                                                                                                                                                                                 Best Local Similarity RESULT 1422
                                                                                                                                                                                                                                                                            BBBB
                                                                                                                                                                                                                                                                                                                                                                                                                              BREI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Barr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BBBB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 1417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 1418
                                                                                                                                                           Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                       ADD06398 standard; protein; 352 AA. Novel human secreted and transmembrane US2003073816-A1.
                                                                                                               ADC82695 standard; protein;
Human PRO polypeptide #141.
US2003059833-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel human secreted and tra
US2003088077
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              08-MAY-2003
                                                                                                                                                                                                   US2003096972-A1.
                                                                                                                                                                                                          ADC78163 standard; protein; 352 AA.
Novel human secreted and transmembrane protein PRO5723
                                                                                                                                                                                                                                                                                     US2002193299-A1.
                                                                                                                                                                                                                                                                                                 Novel human secreted
                                                                                                                                                                                                                                                                                                           ADD07804 standard;
                                                                                                                                                                                                                                                                                                                                                   01-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                              US2003083461-A1.
                                                                                                                                                                                                                                                                                                                                                                      ADC82162 standard; protein;
Human PRO polypeptide #141.
                                                                                                                                                                                                                                                                                                                                                                                                                             10-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                       US2003068623-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                ADD08337 standard; protein; 352 AA.
Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              05-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US2003105288-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADC47288 standard; protein; 352 AA.
Novel human secreted and transmembrane protein PRO5723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US2003082546-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADC14805 standard; protein; 352 AA.
Novel human secreted and transmembrane protein PRO5723
                                                                                                      27-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH ) GENENTECH INC
                                                                                                                                                                              GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                       ocal Similarity
                                                                                ocal Similarity
                                                                                                                                                                                                                                                       Match
                                                                                                                                                                                                                                                                                                                               ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                    Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Match
                                                                                                                                                                                                                                                                GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENENTECH
Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INC.
                                                                                                                                                                                                                                                                                                          protein; 352 AA
13.4%;
26.7%;
                                                                                                                                                          13.4%;
                                                                                                                                                                                                                                           13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                               13.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 13.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13.4%;
26.7%;
                                                                                 13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                 and
                                                                                                                                                                                                                                                                                                                                                                                                        13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              in; 352 AA.
transmembrane
                                                                                                                                                                                                                                                                                                transmembrane
                                                                                                                                     352 AA
                                                                                                                                                                                                                                                                                                                                                                                   352 AA
                                                                                                                                                                                                                                                                                                                               Score
Pred.
 Score
Pred.
                                                                                 Score
Pred.
                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                               207.5; DB 7;
No. 6.1e-07;
207.5; DB 7;
No. 6.1e-07;
                                                                                 207.5; DB 7;
No. 6.1e-07;
                                                                                                                                                          207.5; DB 7;
No. 6.1e-07;
                                                                                                                                                                                                                                           207.5; DB 7;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                        207.5; DB 7
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 207.5; DB 7;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   207
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           207
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              207.5; DB 7;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .5; DB 7;
6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .5; DB 7;
6.1e-07;
                                                                                                                                                                                                                                                                                               protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein
                                                  protein
                                                                                                                                                                                                                                                                                                                                                                                                                  7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRO5723
        Length
                                                                                          Length
                                                                                                                                                                   Length
                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 352;
                                                                                            352;
                                                                                                                                                                                                                                                                                                                                                                                                                   352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           352;
                                                                                                                                                                    352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      352;
```

```
Best Local Similarity RESULT 1434
                                                                                                                          Query Match
Best Local Similarity
RESULT 1433
                                                                                                                                                                                                               Best Local Similarity RESULT 1432
                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 1430
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Loca
RESULT 1429
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 1428
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 1427
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity RESULT 1426
                                                            Query Match
                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                    Novel human secreted and traings2003105291-A1.
05-JUN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human secreted/transmembrane US2003105011-A1. 05-JUN-2003
Human PRO polypeptide #141.
US2003077593-Al.
                                                                                                                                                                               ADD15380 standard; protein; Novel human secreted and traUS2003059437-A1.
                                                                                                                                                                                                                                                                                                                                      Human PRO polypeptide #141.
US2003059783-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADD07124 standard; protein; 352 Novel human secreted and transme US2002193300-A1.
19-DEC-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADC77917 standard; protein; Novel human secreted and tra US2003088066-A1.
                                                                                   ADD51126 standard; protein; 352 AA. Novel human secreted and transmembrane US2003105290-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                        ADD11529 standard; protein; 3
Human secreted/transmembrane
US2003105013-A1
05-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADD10569 standard; protein; 352 AA.
                                                                                                                                                                                                                                                                                                                                    27-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           17-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US2003073090-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADD08875 standard; protein; 352 AA. Novel human secreted and transmembrane
                                                                                                                                                           (GETH ) GENENTECH INC.
                                                                                                                                                                      27-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH )
                                                                                                                                                                                                                                              (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GETH
                                                                                                                                                                                                                                                                                                              ocal Similarity
                                                                      GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                              GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        INC.
                                                                                                                                                                                                                          13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                         13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13.4%; 26.7%;
                                                 13.4%;
                                                                                                                                      13.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 13.4%; 26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                              13.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13.4%;
26.7%;
                                                                                                                                                                                          transmembrane
                                                                                                                                                                                                                                                                               in; 352 AA.
transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        transmembrane
                              352
                                                                                                                                                                                                      352
                                                                                                                                                                                                                                                                                                                                                                    352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            352
                                                                                                                                                                                                                                                                                                                                                                                                                                              352 AA.
e PRO polypeptide
                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                  Score
Pred.
                                                                                                                                      Score
Pred.
                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                   207
No.
                                                                                                                                      207
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   207
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  207.
No.
                                                                                                                                                                                                                          207.5; DB 7
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              207.5; DB 7;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       207.5; DB 7;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                              207.5; DB 7;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                         207.5; DB 7
No. 6.1e-07;
                                                   7.5; DB 7
6.1e-07;
                                                                                                                                      6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .5; DB 7;
6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .5; DB 7;
6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein
                                                                                                       protein
                                                                                                                                                                                         protein
                                                                                                                                                                                                                                                                               protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                #140
                                                            7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRO5723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRO5723.
                                                                                                                                                                                            PRO5723
                                                                                                                                                                                                                                                                                PRO5723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                             Length
                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  352;
```

```
Best Local Similarity
RESULT 1438
ID ADD54874 standard; p
DE Human PRO polypeptid
PN US2002132253-A1.
PD 19-SEP-2002.
PA (GETH ) GENENTECH IN
RESULT
ID AD
                                                                                                             RESULT
ID AD
DE NO
PN US
PD 08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT
ID AL
DE Hu
PN US
PD 22
PA (G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 1435
                                                                               RESULT
                                                                                                                                                                                    8 8 B C
                                                                                                                                                                                                                                                          Parei
                                                                                                                                                                                                                                                                                                         RESULT 1440
                                                                                                                                                                                                                                                                                                                                         P P P P E E
                                                                                                                                                                                                                                                                                                                                                                                          RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 1436
                                                                                                                                                              Query Match
Best Local
                                                                                                                                                                                                                                    Query Match
Best Local S
                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human PRO polypeptide #141.
US2003077594-A1.
24-APR-2003.
                                                                                                               Novel human secreted and transmembrane US2003087304-Al.
                                                                                                                                                                                 Human secreted/transmembrane US2003068647-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human PRO polypeptide #108. US2003096971-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADD37322 standard; protein; 1 Human secreted/transmembrane US2003105012-A1.
                                                            ADE26495 standard; protein; 352 AA Novel human secreted and transmemb
                                                                                                                                                                                                                                                                                                                                                 ADD50361 standard; protein;
Human PRO polypeptide #108.
US2003096970-A1.
22-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                          ADD54874 standard; protein;
Human PRO polypeptide #141.
US2002132253-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24-APR-2003
                                        US2003087305-A1.
08-MAY-2003.
                                                                                                                                                                                                                                                                            ADD51372 standard; protein; 352 AA. Novel human secreted and transmembrane US2003105289-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       05-JUN-2003
 ADF67432
                                                                                                                                                                                                                 ADE31893 standard; protein; 352 AA
                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                   05-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH
                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                              Local Similarity
                   ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Match
                                                                                         ocal Similarity
                                                                                                                                                                                                                                                                                                                                       GENENTECH INC
 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein; 352 AA.
nsmembrane PRO polypeptide #140
protein;
                                                                                                                                                                                                                                    13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                   13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                   13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13.4%;
26.7%;
                    13.4%;
26.7%;
                                                                                         13.4%;
26.7%;
                                                                                                                                                              13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13.4%;
26.7%;
                                                            transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                               352
 352
                                                                                                                                                                                                                                                                                                                                                                                 352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     352 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                      protein
                                                                                                                                                                                                                                    Score
Pred.
                    Score
Pred.
                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                 ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ⋛
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    207
No.
                                                                                                                                                                                                                                                                                                                     207.5; DB 7
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                    207.5; DB 7;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        207.5; DB 7;
No. 6.1e-07;
                    207.5; DB 7
No. 6.1e-07;
                                                                                                                                                               207.5; DB 7;
No. 6.1e-07;
                                                                                                                                                                                                                                    207.5; DB 7;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  207.5; DB 7;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         207.5; DB 7
No. 6.1e-07;
                                                                                         207.5; DB 7;
No. 6.1e-07;
                                                                                                                                                                                                        PRO5723.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7.5; DB 7;
6.1e-07;
                                                            protein
                                                                                                                                 protein
                                                                                                                                                                                                                                                                                      protein
                             DB 7;
                                                                                                                                                                                                                                                                                                                               7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7;
                                                             PRO5723
                                                                                                                                  PRO5723
                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                  Length
                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                             Length
                                                                                                    352;
                                                                                                                                                                          352;
                                                                                                                                                                                                                                                352;
                                                                                                                                                                                                                                                                                                                                352;
                                                                                                                                                                                                                                                                                                                                                                                                              352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   352;
```

```
Best Local Similarity
RESULT 1445
ID ADE94085 standard; p
DE Immune disease treat
PN US2003082199-A1.
PD 01-MAY-2003
PA (GETH) GENENTECH IN
                                                                                                                                                                                                                                                                                                                                                                                       Best Local
RESULT 1448
ID ADC4891
DE Novel h
PN US20030
PD 15-MAY-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 1446
                                     Best Local Similarity RESULT 1453
                                                                                                                Best Local Similarity RESULT 1452
                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 1450
                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity RESULT 1449
                                                                                                                                                                                            Best Local Similarity RESULT 1451
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Loca
RESULT 1447
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                    Query Match
                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                         Query Match
                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                        Human PRO polypeptide #108. US2003100712-A1.
                                                                                                                                                                                                                                    Human PRO polypeptide #108. US2003100728-Al. 29-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human PRO polypeptide #141. US2003050457-A1.
                                                                                                                                                                                                                                                                                                                Novel human secreted and tra
US2003100735-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADE94085 standard; protein; 352 AA. Immune disease treatment/diagnosis US2003082199-A1.
ADD85141 standard; protein; 352 AA. Novel human secreted and transmembr US2003100722-A1.
29-MAY-2003.
                                                                                              ADD75909 standard; protein; 352 AA. Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                          US2003092888-A1.
15-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                           ADC48919 standard; protein;
Novel human secreted and tra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US2002198148-A1.
26-DEC-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human PRO5723 amino
                                                                                    US2003100717-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADI00179 standard; protein; 352 AA.
Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                            13-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US2003049682-A1.
                                                                                                                                                                                                                                                                                                      (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                        ocal Similarity
                                                                                                                  9286
2003
) GENENTECH INC.
13.4*
26.7
                                            -2003.
) GENENTECH INC.
13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                     GENENTECH INC.
                                                                                                                                                                                                                           GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   H INC.
13.
26.7
                                                                                                                                                                                                      1 INC.
13.4%;
:y 26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          acid
                                                                                                                                                                                                                                                                                 13.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                         13.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                  and transmembrane
                  and transmembrane protein PRO5723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          . 4 %;
                                                                                                                                                                                                                                                                                                                                                                                                              transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         sequence
                                                                                                                                                                                                                                                                                                                                                                                                                      352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            352
                                                                                                                                                                                                                                                                                                                                            352
                                                                                                                                                                                    352
                                                                                                                                                                                                                                                               352
                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                               Score
Pred.
                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ¥
                                                                                                                                                                                                                                                                                                                                            ₿
                                                                                                                                                                                                                                                                                                                                                                                                                       B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ₹
                                                                                                                                                                                    ₿
                                                                                                                                                                                                                                                                ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ
                                                                                                                                                                                                        NO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           207.5; DB 7;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               207
No.
                                                                                                                          207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                  207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                               207
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                         207.5; DB 7;
No. 6.1e-07;
                                                207
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          207
No.
                                                                                                                                                                                                       7.5; DB 8;
. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7.5; DB 7;
6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ħ
                                                                                                                                                                                                                                                                                                                                                               6.1e-
                                                ن.
ن.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          o 0
                                                                                             protein
                                                                                                                                                                                                                                                                                                                                                                                                              protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein
                                                                                                                                                                                                                                                                                                                                  protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; DB 7;
                                                ; DB 8;
.le-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NO:505.
                                                                                                                                                                                                                                                                                                                                                               DB 8;
e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRO5723
                                                                                               PRO5723
                                                                                                                                                                                                                                                                                                                                                                                                              PRO5723
                                                                                                                                                                                                                                                                                                                                   PRO5723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRO5723
                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                         Length
                                                                                                                                    Length
                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                    352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     352;
                                                                                                                                      352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       352,
```

```
RESULT 1462
ID ADD77451 standard; p
DE Novel human secreted
PN US2003100732-A1.
PD 29-MAY-2003.
PA (GETH ) GENENTECH IN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 1457
                                                                                                                                                                                                                                                                                                                                                           PBBB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PR BE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 1458
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 1454
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 1456
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 1455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 1459
                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          USZU----
29-MAY-2003.
(GETH ) GENENTECH INC.
(GETH ) 13-4%; (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%); (13-4%
                                                                                                                                                                                                        Novel human secreted and transmembrane US2003100736-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel human secreted and tra
US2003100738-A1.
29-MAY-2003
                           Novel human secreted and tra
US2003100732-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADD73673 standard; protein;
Human PRO polypeptide #108.
US2003100711-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADE05688 standard; protein;
Human PRO polypeptide #108.
US2003100727-Al.
29-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                    ADE41530 standard; protein; 3 Human secreted/transmembrane US2003100497-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADD78513 standard; protein; 352 AA. Novel human secreted and transmembrane US2003100737-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US2003096362-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADE39141 standard; protein; 352 AA.
Novel human secreted and transmembrane protein PRO5723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel human secr
US2003100734-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADE20844 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC.
                                                                                                                                                                            (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GETH ) GENENTECH INC.
                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                        GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     andard; protein;
secreted and tra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                             13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13.4%;
26.7%;
                                                                                                                                   13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         13.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       in; 352 AA.
transmembrane
                                                                transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                         352 A
                                                                                         352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         352 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     352 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         352 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                         ₽
                                                                                                                                                                                                                                                                                                                                                                                                                       AA.
D polypeptide #140.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  207
No.
                                                                                                                                   207.
                                                                                                                                                                                                                                                                                                             207
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              207
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          207.
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                             7.5; DB 8;
. 6.1e-07;
                                                                                                                                6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .5; DB 8;
6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .5; DB 8;
6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .5; DB 8; 6.1e-07;
                                                                protein
                                                                                                                                                                                                                                            protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    protein PRO5723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               B
                                                                                                                                                                                                                                               PR05723
                                                                  PRO5723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PR05723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 352;
                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 352;
                                                                                                                                                          352;
                                                                                                                                                                                                                                                                                                                                    352;
```

GENENTECH INC

```
Query Match
Best Local S
RESULT 1464
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local
RESULT 1463
ID ADE20598
                                                        Best Local Similarity RESULT 1471
                                                                                                                                   Best Local Similarity RESULT 1470
                                                                                                                                                                                                                                                                                          Best Local
RESULT 1468
                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 1467
                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 1466
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
RESULT 1465
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Query Match
                                                                           Query Match
                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                 US20v3...
29-MAY-2003.
(GETH ) GENENTECH INC.
(GETH ) 13.4%;
Match 13.4%;
26.7%;
               Novel human secreted and transme US2003100715-A1. 29-MAY-2003.
                                                                                              Human PRO polypeptide #108. US2003100714-A1.
                                                                                                                                                                                                                                                                                                                                                                                                          Human PRO polypeptide #108. US2003100709-A1. 29-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human PRO polypeptide #108. US2003100708-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human PRO polypeptide #108. US2003100064-A1. 29-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel human secreted and tra
US2003100733-A1.
                                                                                                                                                                                                                                                            ADD85647 standard; protein; Novel human secreted and traUS2003100721-A1.
                                                                                                                                                                         ADE05196 standard; protein;
Human PRO polypeptide #108.
US2003100726-A1.
29-MAY-2003.
                                                                                                                                                                                                                                                                                                                                        US2003100718-A1.
                                                                                                                                                                                                                                                                                                                                                 ADD76155 standard; protein; 352 AA. Novel human secreted and transmembrane
                                                                                     (GETH
                                                                                                                                                                                                                                           (GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                     0070-
-2003:
) GENENTECH INC.
13.4%;
15.00 26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ) GENENTECH INC.
           GENENTECH INC.
                                                                                    GENENTECH INC.
                                                                                                                                                               GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity
                                                                  13.4%;
26.7%;
                                                                                                                                            13.4%;
26.7%;
                                                                                                                                                                                                                       13.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                   13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13.4%;
 .48;
                                      in; 352 AA.
transmembrane
                                                                                                                                                                                                                                                                       transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              transmembrane
                                                                                                                                                                                                                                                                                 352
                                                                                                                                                                                                                                                                                                                                                                                                                                      352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        352
                                                                                                                          352
                                                                                                                                                                                                     352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             352
                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                  Score
Pred.
                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
 Score
                                                                                                                                                                                                                                                                                 ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                       ጅ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ₽
                                                                                                                                             207
No.
                                                                                                                                                                                                                        207.5;
No. 6.
 207
                                                                  207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                    207
No.
                                                                                                                                                                                                                                                                                                                                                                              207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                207
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         207
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     207.5; DB 8
No. 6.1e-07;
                                                                                                                                             7.5; DB 8;
6.1e-07;
                                                                                                                                                                                                                                                                                                   .5; DB 8; 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        7.5; DB 8;
6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6.1e-07;
 .
5
                                                                                                                                                                                                                                                                      protein
                                                                                                                                                                                                                                                                                                                                                 protein
                                      protein
                                                                                                                                                                                                                        6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              protein
 В
                                                                                                                                                                                                                                DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 8;
 8
                                       PRO5723
                                                                                                                                                                                                                                                                                                                                                   PRO5723
 Length
                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                          Length
                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                           352;
                                                                                                                                                                                                                                                                                                                                                                                         352;
```

```
Best
RESULT
ID AD
DE NO
PN US
PD 29
PA (G
                                                                                                                                                                                                                                                  веяt Local Similarity
RESULT 1478
Best
                                                                                                                                                                                  Query Match
                                                                                                                                                                        Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                    Novel human secreted and transmembrane US2003100720-A1.
                                                                                                                                                                                                           Human PRO polypeptide #108. US2003100713-Al.
                                                                                                                             ADD77199 standard; protein; 352 AA. Novel human secreted and transmembrane US2003100716-A1.
                                                                                                                                                                                                                                                                                             ADD73933 standard; protein;
Human PRO polypeptide #108.
US2003100710-A1.
29-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADD86721 standard; protein; 352
Novel human secreted and transme
                                                                                                                                                                                                                                                                                                                                                                                                       ADD85401 standard; protein; 352 AA. Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADD77943 standard; protein; 352 AA.
Novel human secreted and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADD77697 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel human secreted US2003100731-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADD78189 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                          (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 JS2003100730-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       JS2003100729-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel human secreted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US2003100719-A1.
                                                                                                         GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
1476
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Match
 Similarity
                                                                                                                                                                                                                                                                                   GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Similarity
                     GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein; 352 AA.
ed and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     and
                                                                                                                                                                        13.4%;
26.7%;
                                                                                                                                                                                                                                                              13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13.4%;
26.7%;
13.4%;
26.7%;
                                                                                    13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                  13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                       13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      transmembrane
                                                                                                                                                                                                                                          352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         352 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                352
                                                                                                                                                                                                                                                                                                                              352 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                              Score
Pred.
                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
Score
Pred.
                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                    Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ₿
                                                                                    207.5; D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                207
No.
207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                                                                                                                              207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ŏ.
                                                                                                                                                                         207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                  207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                        207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6.1e-07;
                                                    protein
                                                                                                                                         protein
                                                                                                                                                                                                                                                                                                                                                                                                       protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6.1e-07;
                                                                                    DB 8;
e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRO5723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRO5723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PR05723
                                                      PRO5723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                              Length
                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
          Length
                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 352;
                                                                                                352;
                                                                                                                                                                                     352;
                                                                                                                                                                                                                                                                          352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            352;
```

```
Best Local to RESULT 1490
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 1481
ID ADE0544
DE Human E
PN US20031
PD 29-MAY-
PA (GETH)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
RESULT 1484
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 1483
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 1482
                                                                                                                                                                   Query Match
Best Local Similarity
RESULT 1488
                                                                                                                                                                                                                                              Best Local Similarity RESULT 1487
                                                                                      RESULT 1489
                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 1486
                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human PRO polypeptide #108. US2003100723-A1.
                                                                                                                                                                                                                                                                                    Human PRO polypeptide #108. US2003096962-Al.
                                                                                                                                                                                                        ADG11346 standard; protein;
Novel human secreted and tra
US2003096967-A1.
22-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADG11881 standard;
Human PRO5723 poly;
US2003228655-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human PRO polypeptide #108. US2003100724-A1.
                                                          ADF94682 standard; protein; 352 AA. Novel human secreted and transmembrane US2003096964-A1.
                                                                                                                            ADG12125 standard; protein; 352 AA. Novel human secreted and transmembrane US2003096963-A1.
22-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                         Novel human secreted and tra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADF35631 standard; protein; Human PRO5723 polypeptide.
   ADG06778 standard; protein;
                                                                                                                                                                                               (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                US2003096959-A1.
22-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US2003194760-A1.
                                                                                                                                                                                                                                                                           (GETH )
                                                                                                                                                                                                                                                                                   22-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                           11-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                     2865-
-2003.
) GENENTECH INC.
13.4%;
-25.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               00/2-
0003.
) GENENTECH INC.
13.4%;
1-v 26.7%;
                     Similarity
                                                                                                                                                                                                                                                                                                                                                      GENENTECH INC.
                                        GENENTECH INC.
                                                                                                                                                                                                                                                                           GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          dard; protein; polypeptide.
                     13.4%;
                                                                                                13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                   13.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13.4%;
26.7%;
                                                                                                                                                                            13.4%;
26.7%;
                                                                                                                                                                                                                                                       13.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         13.4%;
                                                                                                                                                                                                                            and transmembrane
                                                                                                                                                                                                                                                                                                                                                                                   and transmembrane protein
    352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               352
                                                                                                                                                                                                                                     352 AA.
                                                                                                                                                                                                                                                                                                                                                                                            352 AA
                                                                                                                                                                                                                                                                                                                 352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    352
                     Score
Pred.
                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                              Score Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                 Ą
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ۶
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           207
No.
                                                                                                                                                                                                                                                        207
No.
                                                                                                                                                                                                                                                                                                                                                                                                               207
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        207
No.
                     207
No.
                                                                                                 207
No.
                                                                                                                                                                                                                                                                                                                                  207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                                             207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                                                                                                                       7.5; DB 8;
6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                              7.5; DB 8;
6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7.5; DB 8
6.1e-07;
                      o in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ი წ
                                                                                                 ۍ
ن
ن
                                                                     protein
                                                                                                                                                                                                                           protein
                                                                                                                                                protein
                      ; DB 8;
.1e-07;
                                                                                                  ; DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8;
                                                                      PRO5723
                                                                                                                                                 PRO5723
                                                                                                                                                                                                                                                                                                                                                                                    PRO5723
                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                          Length
                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                 352;
                                                                                                           352;
                                                                                                                                                                                                                                                                                                                                              352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     352;
                                                                                                                                                                                        352;
```

```
Query Match
Best Local Similarity 26.7%; Pred. No.
RESULT 1499
ID ADI29937 standard; protein; 352 AA.
DE Novel human secreted and transmembrane
PN US2003096961-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 26.7%;
RESULT 1495
                                                                                                                                            Query Match
Best Local Similarity
RESULT 1498
                                                                                                                                                                                                                                                 Best Local Similarity RESULT 1497
                                                                                                                                                                                                                                                                                         PA PR DE DE PN
                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
RESULT 1496
                                                                                                                                                                                                                                                                                                                                                                                             PA DE DE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PN
Nd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 1493
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 1492
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 1491
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PAPR
                                                                               BBBB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 1494
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                              US2003-0-1
22-MAY-2003.
(GETH ) GENENTECH INC.
(GETH ) 13.4%; 5
Match 13.4%; 5
                                                                                                                                                                                                                                                                                                                                                                                     ADH43713 standard; protein; 3
Human PRO polypeptide #140.
US2003224984-A1.
04-DEC-2003.
(GETH ) GENENTECH INC.
                                           US20040-2004.
29-JAN-2004.
(GETH) GENENTECH INC.
13.4%; !
                                                                                                                                                                                                  Human PRO polypeptide #108.
US2003096960-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADH39122 standard; protein; 352 AA.

Novel human secreted and transmembrane protein
US2003096965-A1.

22-MAY-2003.

(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                      ADG34212 standard; protein; 352 AA. Novel human secreted and transmembrane US2004006206-A1. 08-JAN-2004. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         22-MAY-2003.
22-MAY-2003.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH 13.4%;
13.4%;
13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human PRO polypeptide #108.
US2003096966-A1.
22-MAY-2003.
                                                                                                     ADH69776 standard; protein; 352 AA.
Human PRO polypeptide #108.
US2004019183-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADH20284 standard; protein; 352 AA. Human secreted/transmembrane protei US200319856-A1.
27-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      04-DEC-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADH21244 standard; protein; 352 AA.
Human secreted/transmembrane protein PRO5723.
US2003224358-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADH19751 standard; protein; 352 AA. Human secreted/transmembrane protein PRO5723. US2003228656-A1. 11-DEC-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                   13.4%;
26.7%;
                                                                                                                                                                                                                                                             13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13.4%;
26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13.4%;
26.7%;
                                                                                                                                                                                                                                   352 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                               352 AA
                                                   Score 207.5; DB 8; Pred. No. 6.1e-07;
                                                                                                                                                         Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                             Score 207.5; DB 8; Pred. No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                         207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                   207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        207.5; DB 8;
No. 6.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRO5723
                                                                                                                                                                                                                                                                                                                              protein PRO5723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRO5723
                                                               Length 352;
                                                                                                                                                                    Length 352;
                                                                                                                                                                                                                                                                        Length 352;
                                                                                                                                                                                                                                                                                                                                                                              Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 352;
```

protein PRO5723

```
PA (GETH ) GENENTECH INC.
Query Match 13.4%; S.
Best Local Similarity 26.7%; Pr
RESULT 1500
ID ADM27334 standard; Pr
DE Novel human se-
PN US20040
                                                        Best Local Similarity
                                                                                                                        Query Match
USZUWAZ-
04-MAR-2004.
(GETH ) GENENTECH INC.
(GETH ) 13.4%; (13.4%; (13.4%; (13.4%)); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%); (13.4%)
                                                                                                                                                                                                                                                                                                                                                                                                                                   rotein; 352 AA.
and transmembrane protein PRO5723
                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 207.5; DB 8; Pred. No. 6.1e-07;
                                                207.5; DB 8;
No. 6.1e-07;
                                                                                                                        Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 352;
```

THIS PAGE BLANK (USPTO)

Run 3

```
Result
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Minimum
Maximum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Title:
Perfect so
Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Database
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Total number
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Post-processing:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB seq
   score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               of hits satisfying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein search, using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            length:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-785-433-1
1544
1 MGTKAQVERKLLCL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query
     Issued_Patents_AA:*

1: /cgn2_6/ptodata/1/iaa/5_COMB.pep:*

2: /cgn2_6/ptodata/1/iaa/6_COMB.pep:*

3: /cgn2_6/ptodata/1/iaa/H_COMB.pep:*

4: /cgn2_6/ptodata/1/iaa/RE_COMB.pep:*

5: /cgn2_6/ptodata/1/iaa/RE_COMB.pep:*

6: /cgn2_6/ptodata/1/iaa/Backfiles1.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          May 16, 2006, 07:01:24 ; Search time 47 Seconds
(without alignments)
525.958 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              572060 segs, 82675679 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BLOSUM62
Gapop 10.0 ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Minimum Match 0%
Maximum Match 100%
Listing first 1500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MGTKAQVERKLLCLFILAIL.....YSQPSARSEGEFKQTSSFLV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Copyright
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2000000000
     \begin{array}{c} 3 \ \ \Box \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \ C \ \
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GenCore version (c) 1993 - 2006
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gapext
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             chosen parameters:
 US-09-188-930-331
US-09-4672-770-2
US-09-254-465A-1
US-09-312-283C-319
US-09-312-283C-311
US-09-312-283C-311
US-09-305-125A-119
US-09-905-125A-119
US-09-906-700-119
US-09-909-064-119
US-09-906-646-119
US-09-906-646-119
US-09-906-646-119
US-09-906-646-119
US-09-906-646-119
US-09-906-646-119
US-09-906-646-119
US-09-906-722A-119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ₩
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5.1.8
Biocceleration
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Description
   sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
seq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ltd
                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
331, Appli

2, Appli

319, Appli

319, Appli

331, Appli

319, Appli

325, Appli

333, Appli

333, Appli

333, Appli

334, Appli

335, Appli

336, Appli

337, Appli

338, Appli

339, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  299
      281.5
272.5
272.5
272.5
272.5
272.5
272.5
272.5
272.5
272.5
272.5
272.7
272.7
273.7
273.7
274.7
274.7
275.7
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
     Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
Sequence
Sequence
Sequence
                    Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
 10, Appli
4, Appli
4, Appli
76, Appl
76, Appl
76, Appl
76, Appl
77, Appl
77
```

			بر بر ،	15	153	15	15.	146	14	114	14.	141	13	13			111	:::			, ₁ , ,			11	:::	ر بر د		: = :						55
166 168 169 170 171	163 164 165	160	587	თ თ		N F	- 0 (ωw	70	, W 1			0 W	8	6 5	ω ω ω ω	2 5	5 iš	27 28	26	2 4 1	ວ ຄວ	2 8	φά	7.5	15	4 6	551	1 10	9 6	107	106	2 2	ũÑ
1771 1771 1771 1771 1771 1771	171 171 171	172.5	73.	173.5 173.5	17	174	174	174	174	174	174	174 174	176 174	176 176	176 176	176	176 176	176 176	176 176	177	78	178.5	78. 78.	78.	78.	717	179	17	180.5	18	189	194	196	196 196
											۲.			11.4 11.4		ر مو م <u>ر</u>					٠,	ا ما د		2:	٠::		۲:	٠.:		۲:	- 2		יאי	
1059 1059 1059	1059 1059 1059	370	1395	316 1395	398 432	398	398 398	398 80£	398 865	399	398	398 8	398 8	390 390	390 390	390	390 390	390 390	390 390	390	847	321	321 321	321	316	534	54 44 4	340	316 316	1101	365 2965	365 5	373	373 373
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,																																		
US-09-903-603A-290 US-09-904-920A-290 US-09-909-064-290 US-09-905-381A-290 US-09-906-618-290 US-09-906-646-290 US-09-904-462-290	-09-907-794A-2 -09-905-125A-2 -09-902-775A-2 -09-906-700-29	-09-336-536-28 -09-336-536-28 -10-104-047-339	-10-289-	-09-915- -09-540-	-09-906-722A-8 -09-778-510-2	-09-902-	-09-906-6	-09-905-:	-09-909-064-84	-09-903-6	-09-902-775A-8	-09-907-1	-09-906-722A-3 -09-778-510-6	-09-904-4	-09-906-618-39 -09-906-646-39	-09-909-064-39 -09-905-381A-3	-09-903-6 -09-904-9	-09-902-775A-3 -09-906-700-39	-09-907-	-09-949-002-42 -08-979-424-1	-09-949-0	-10-020-	-09-953-499-2 -09-999-833A-5	-09-254-4	-09-620-461-24	-09-651-2	-09-651-2	-09-651-200-2	-09-999-6 -10-020-4	-08-986-485-	-08-928-383B- -10-104-047-3	-08-928-383B-	-10-020-445A	-09-997-: -09-992-:
Sequence 290, Sequence 290, Sequence 290, Sequence 290, Sequence 290, Sequence 290, Sequence 290,	2222	338	3015	15	28	8 2	8 6 6	84 84	84	9 4 4	84	84 84	6.39	39	339	ωω ωω ω ω	39	39	39	44	32	3 52	5 2 5 2	2,5	22:	22	0,4	2	13 14	N	37	24	3 55	500
0, App 0, App 0, App 0, App 0, App 0, App	App App App	Ap 1 ag	pp1	ppli 1	ĎĎ.	Į gg	16.5	pp1	1dd	P P P	Įģ.	19 19 19 19 19	Ď 1 1	1991 1991	100	192	199	(100) 100) 100)	pp1	App 11	App	Tag.	p 1 1 1 1 1	ild ild	1001	Įģ'	110	Ď.	App	pli	pp1	Tag	j g	Agg G
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(L) (L) (L) (L)	 .	ບພ	NN	226	225	223	221 222	220	218	216	214 215	212 213	210 211	208 209	206 207	204 205	202 203	201	199	197	195	193	192	190	188	187	185	184	182	180 181	179	177	175 176
· · · · · · · · · · · · · · · · · · ·	36 15 36 15 37 15	33 15	30 31 15	28 15 29 15	26 27 15	25 15	23 153. 24 15	21 15 22 15	20 15	18 154.	16 154.	14 154. 15 154.	12 15 13 155.	10 15	09 15	06 15 07 157.	04 15 05 15	02 16 03 160.	01 16	99 166.	97 167.	95 167.	167. 167.	167.	168.	17 16	17	17	17	17	17	17	17	17
44444444444444444444444444444444444444	35 152 9. 36 152 9. 37 152 9. 38 152 9.	33 152 9. 34 152 9.	30 152 9. 31 152 9.	28 153 9. 29 152 9.	26 153 9. 27 153 9.	25 153 9.	23 153.5 9. 24 153 9.	21 154 10. 22 154 10.	20 154 10.	18 154.5 10.	16 154.5 10.	14 154.5 10. 15 154.5 10.	12 156 10. 13 155.5 10.	10 157 10. 11 157 10.	08 157 10. 09 157 10.	06 158 10. 07 157.5 10.	04 158 10. 05 158 10.	02 161 10. 03 160.5 10.	01 161 10.	99 166.5 10.	97 167.5 10.	95 167.5 10. 96 167.5 10.	167.5 10. 167.5 10.	167.5 10.	168.5 10.	171 11. 169 10.	171 11.	171 11.	171 11.	171 11.	171 11. 171 11.	171 11.	171 11.	171 11.
39 152 9 40 152 9 41 152 9 43 152 9 152 9	35 152 9.8 338 36 152 9.8 891 37 152 9.8 891 38 152 9.8 1115	33 152 9.8 338 34 152 9.8 338	30 152 9.8 325 31 152 9.8 325	28 153 9.9 1338 29 152 9.8 304	26 153 9.9 1260 27 153 9.9 1338	25 153 9.9 780	23 153.5 9.9 828 24 153 9.9 780	21 154 10.0 848 22 154 10.0 1070	20 154 10.0 588	18 154.5 10.0 465	16 154.5 10.0 462 17 154.5 10.0 465	14 154.5 10.0 462 15 154.5 10.0 462	12 156 10.1 894 13 155.5 10.1 819	10 157 10.2 344 11 157 10.2 344	08 157 10.2 313 09 157 10.2 344	06 158 10.2 607 07 157.5 10.2 837	04 158 10.2 607 05 158 10.2 607	02 161 10.4 365 03 160.5 10.4 2596	00 165 10.7 365 01 161 10.4 344	99 166.5 10.8 394	97 167.5 10.8 1571	95 167.5 10.8 1297 96 167.5 10.8 1297	167.5 10.8 615 167.5 10.8 615	167.5 10.8 615	168.5 10.9 466	171 11.1 1119 169 10.9 398	171 11.1 1119	171 11.1 1119	171 11.1 1119	171 11.1 1119	171 11.1 1119 171 11.1 1119	171 11.1 1119	171 11.1 1119	171 11.1 1119
39 152 9.8 1115 2 US- 40 152 9.8 1115 2 US- 41 152 9.8 1115 2 US- 42 152 9.8 1115 2 US- 43 152 9.8 1115 2 US- 44 152 9.8 1115 2 US- 45 152 9.8 1115 2 US- 46 152 9.8 1115 2 US- 47 152 9.8 1115 2 US- 48 1152 9.8 1115 2 US- 49 1152 9.8 1115 2 US- 49 1152 9.8 1115 2 US- 49 1152 9.8 1115 2 US-	35 152 9.8 338 2 05 36 152 9.8 891 2 US 37 152 9.8 891 2 US 38 152 9.8 1115 2 US	33 152 9.8 338 1 US-	30 152 9.8 325 1 US-	28 153 9.9 1338 2 US- 29 152 9.8 304 1 US-	26 153 9.9 1260 2 US- 27 153 9.9 1338 2 US-	25 153 9.9 780 1 US-	23 153.5 9.9 828 1 US- 24 153 9.9 780 1 US-	21 154 10.0 848 2 US- 22 154 10.0 1070 2 US-	20 154 10.0 588 2 US-	18 154.5 10.0 465 2 US-	16 154.5 10.0 462 2 US-	14 154.5 10.0 462 1 US- 15 154.5 10.0 462 2 US-	12 156 10.1 894 2 US- 13 155.5 10.1 819 2 US-	10 157 10.2 344 2 US- 11 157 10.2 344 2 US-	08 157 10.2 313 2 US- 09 157 10.2 344 2 US-	06 158 10.2 607 2 US- 07 157.5 10.2 837 2 US-	04 158 10.2 607 1 US- 05 158 10.2 607 2 US-	02 161 10.4 365 2 US- 03 160.5 10.4 2596 2 US-	00 165 10.7 365 2 US- 01 161 10.4 344 1 US-	99 166.5 10.8 1910 2 US-	97 167.5 10.8 1571 2 US-	95 167.5 10.8 1297 2 US- 96 167.5 10.8 1297 2 US-	167.5 10.8 615 2 US- 167.5 10.8 615 2 US-	167.5 10.8 615 1 US-	168.5 10.9 466 2 US-	171 11.1 1119 2 US- 169 10.9 398 2 US-	171 11:1 1119 2 US-	171 11.1 1119 2 US-	171 11.1 1119 2 US-	171 11.1 1119 2 US-	171 11.1 1119 2 US- 171 11.1 1119 2 US-	171 11.1 1119 2 US-	171 11.1 1119 2 US-	171 11.1 1091 2 US- 171 11.1 1119 2 US-
39 152 9.8 1115 2 US-10-015-389A-58 40 152 9.8 1115 2 US-10-006-768A-58 41 152 9.8 1115 2 US-10-015-671A-58 42 152 9.8 1115 2 US-10-015-393A-58 43 152 9.8 1115 2 US-10-011-833A-58 44 152 9.8 1115 2 US-10-011-833A-58 45 152 9.8 1115 2 US-10-006-041A-58 46 152 9.8 1115 2 US-10-012-064A-58	35 152 9.8 338 2 US-U9-9/6-594-404 36 152 9.8 891 2 US-09-345-473E-25 37 152 9.8 891 2 US-09-862-027-25 38 152 9.8 1115 2 US-10-012-231A-58	33 152 9.8 381 US-08-414-557D-60 34 152 9.8 338 2 US-09-135-080-8	30 152 9.8 325 1 US-08-414-657D-2 31 152 9.8 325 1 US-08-414-657D-41 32 152 9.8 325 1 US-08-135-080-2	28 153 9.9 1338 2 US-09-119-014D-6 29 152 9.8 304 1 US-08-414-657D-44	26 153 9.9 1260 2 US-08-506-296B-21 27 153 9.9 1338 2 US-08-750-141A-3	25 153 9.9 780 1 US-08-786-164-14	23 153.5 9.9 828 1 US-08-261-304-2 24 153 9.9 780 1 US-08-232-538-14	21 154 10.0 848 2 US-09-787-443-44 22 154 10.0 1070 2 US-09-961-403-3	20 154 10.0 588 2 US-09-949-016-10547	18 154.5 10.0 465 2 US-09-707-802-5	16	14 154.5 10.0 462 1 US-08-752-307B-7 15 154.5 10.0 462 2 US-09-707-802-7	12 156 10.1 894 2 US-09-949-016-10605 13 155.5 10.1 819 2 US-09-949-016-11044	10 157 10.2 344 2 US-09-999-83A-523 11 157 10.2 344 2 US-10-020-445A-523	08 157 10.2 313 2 US-09-700-397-4 09 157 10.2 344 2 US-09-700-397-3	06 158 10.2 607 2 US-09-991-326-12 07 157.5 10.2 837 2 US-09-949-016-6515	04 158 10.2 607 1 US-08-752-307B-12 05 158 10.2 607 2 US-09-707-802-12	02 161 10.4 365 2 US-09-336-536-40 03 160.5 10.4 2596 2 US-09-548-473B-6	00 165 10.7 365 2 US-09-949-016-7591 01 161 10.4 344 1 US-08-602-725-34	98 167.5 10.8 1910 2 US-09-336-536-39 99 166.5 10.8 394 2 US-09-336-536-39	97 167.5 10.8 1571 2 US-08-956-991-11	95	167.5 10.8 615 2 US-09-707-802-9 167.5 10.8 615 2 US-09-991-326-9	167.5 10.8 615 1 US-08-752-307B-9	168.5 10.9 466 2 US-09-604-107A-8	171 11.1 1119 2 US-09-906-722A-294 169 10.9 398 2 US-09-778-510-4	171 11.1 1119 2 US-09-902-736A-294	171 11.1 1119 2 US-09-906-646-294	1/1 11.1 1119 2 US-09-906-618-294	171 11.1 1119 2 US-09-909-064-294	171 11.1 1119 2 US-09-903-603A-294 171 11.1 1119 2 US-09-904-920A-294	171 11.1 1119 2 US-09-906-700-294	171 11.1 1119 2 US-09-905-125A-294	171 11.1 1091 2 US-08-986-485-5 171 11.1 1119 2 US-09-907-794A-294
39 152 9.8 1115 2 US- 40 152 9.8 1115 2 US- 41 152 9.8 1115 2 US- 42 152 9.8 1115 2 US- 43 152 9.8 1115 2 US- 44 152 9.8 1115 2 US- 45 152 9.8 1115 2 US- 46 152 9.8 1115 2 US- 47 152 9.8 1115 2 US- 48 1152 9.8 1115 2 US- 49 1152 9.8 1115 2 US- 49 1152 9.8 1115 2 US- 49 1152 9.8 1115 2 US-	35 152 9.8 338 2 US-09-9/6-594-404 Sequence 4 36 152 9.8 891 2 US-09-862-027-25 Sequence 2 37 152 9.8 891 2 US-09-862-027-25 Sequence 2 38 152 9.8 1115 2 US-10-012-231A-58 Sequence 5	33 152 9.8 338 1 US-08-143-500-5 34 152 9.8 338 2 US-09-135-080-8 Sequence 8	30 152 9.8 325 1 US-08-414-6570-2 Sequence 31 152 9.8 325 1 US-08-414-657D-41 Sequence 32 152 0.8 325 1 US-08-115-08D-2 Sequence	28 153 9.9 1338 2 US-09-119-014D-6 Sequence 29 152 9.8 304 1 US-08-414-657D-44 Sequence	26 153 9.9 1260 2 US-08-506-2988-21 sequence 27 153 9.9 1338 2 US-08-750-141A-3 Sequence	25 153 9.9 780 1 US-08-786-164-14 Sequence	23 153.5 9.9 828 1 US-08-261-304-2 Sequence 24 153 9.9 780 1 US-08-232-538-14 Sequence	21 154 10.0 848 2 US-09-787-443-44 Sequence 22 154 10.0 1070 2 US-09-961-403-3 Sequence	20 154 10.0 588 2 US-09-949-016-10547 Sequence	18 154.5 10.0 465 2 US-09-707-802-5 Sequence	16 154.5 10.0 462 2 US-09-991-326-7 Sequence	14 154.5 10.0 462 1 US-08-752-307B-7 Sequence 15 154.5 10.0 462 2 US-09-707-802-7 Sequence	12 156 10.1 894 2 US-09-949-016-10605 Sequence 13 155.5 10.1 819 2 US-09-949-016-11044 Sequence	10 157 10.2 344 2 US-09-999-833A-523 Sequence 11 157 10.2 344 2 US-10-020-445A-523 Sequence	08 157 10.2 313 2 US-09-700-397-4 Sequence 09 157 10.2 344 2 US-09-700-397-3 Sequence	06 158 10.2 607 2 US-09-991-326-12 Sequence 07 157.5 10.2 837 2 US-09-949-016-6515 Sequence	04 158 10.2 607 1 US-08-752-307B-12 Sequence 05 158 10.2 607 2 US-09-707-802-12 Sequence	02 161 10.4 365 2 US-09-336-536-40 Sequence 03 160.5 10.4 2596 2 US-09-548-473B-6 Sequence	00 165 10.7 365 2 US-U9-949-016-7991 Sequence 01 161 10.4 344 1 US-08-602-725-34 Sequence	98 16.5 10.8 1910 2 US-09-336-536-39 Sequence	97 167.5 10.8 1571 2 US-08-956-991-11 Sequence	95 167.5 10.8 1297 2 US-09-540-245A-17 Sequence 96 167.5 10.8 1297 2 US-10-289-776-17 Sequence	167.5 10.8 615 2 US-09-707-802-9 Sequence	167.5 10.8 615 1 US-08-752-307B-9 Sequence	168.5 10.9 466 2 US-09-604-107A-8 Sequence	171 11.1 1119 2 US-09-906-722A-294 Sequence 169 10.9 398 2 US-09-778-510-4 Sequence	171 11.1 1119 2 US-09-902-736A-294 Sequence	171 11.1 1119 2 US-09-906-646-294 Sequence	171 11.1 1119 2 US-09-906-618-294 Sequence	171 11.1 1119 2 US-09-909-064-294 Sequence	171 11.1 1119 2 US-09-903-603A-294 Sequence	171 11.1 1119 2 US-09-906-700-294 Sequence	171 11.1 1119 2 US-09-905-125A-294 Sequence	171 11.1 1091 2 US-08-985-985-5 sequence

		u u	w c	ა ს 0	30	306	304	303	301	300	298	297	296	2 2	293	292	291	289	288	286	285	282	28	28	27	2 2	27	, N	N	N	27	2 22	26	2 22	26	2 6	2 2	26	2 2	25	25	S A	N	2	2 1	4 1	248
315 316 317 318	313	121	5	9 8	7								0, 0	,,		••	-		_		•		N 1	- 0	90	p ~	9 (7.4	3,	3 2	οŭ		7 0	'n	4	W K	; <u>; ;</u>	0	0 00	7	ס נ	лю	ŭ	N i	בי כ	φ	-
143.5 143.5 143.5	144	144 144	7	145 144.5	•	145 145	4	45. 14	5	45.	146	46.	<u>ه</u> و	46.	47	47.	47.	4.		44		48.	.0 9	14 4 A	. 4	4.4	40.4	4 4	149	4.	149	149	149	149	149	149	149	149	149	149	۱ م	лυ	in	150	່ເກ່ຍ	; 0	150.5
و و و و و					9.4	9.4	9.4	9.4	•		•	•		•	•			•		9 9		•			9.7	9.7	9.7	9.7 7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7 7	9.7	9.7	9.7	9.7	9.7
421 421 421 424	1381	868 098	478	802 306	758	758 758	758	1194 758	252	215	918	1651	1651	287	946	662	249	227	227	1021	1311	1311	1248	740 1248	739	736 739	735	647	647	647	644	450	450	450	450	450	450	450	450 450	450	450	734	734	702	869	1501	1901
1221																																															
US-08-659-984A-1 US-08-660-531-1 US-09-404-578-1 US-08-659-984A-5	US-09-540-245A-16	PCT-US95-08493-19	PCT-US95-08493-15	US-09-173-151A-33 US-10-191-029-12	US-10-105-901A-1	US-09-051-363-24 US-09-348-886-1	US-08-643-839-1	US-10-191-029-10 US-08-874-678-1	US-08-414-657D-56	US-09-915-789A-20	US-09-949-016-10904		US-09-540-245A-18	US-08-414-657D-48	PCT-US95-08493-13	US-08-261-304-7	US-09-336-536-42	US-10-004-860-947	US-09-205-258-947	US-08-497-025-3	US-09-169-079-5	US-08-340-011-5	US-09-949-016-10596	PCT-US93-00031-17	PCT-US93-00031-9	PCT-US93-00031-15	PCT-US93-00031-13	PCT-US93-00031-11	US-09-982-262C-92	US-09-009-490A-91	PCT-US93-00031-21	US-09-906-722A-320	US-09-902-736A-320	US-09-906-646-320	US-09-906-618-320	US-09-905-381A-320	US-09-904-920A-320	US-09-903-603A-320	US-09-902-775A-320 US-09-906-700-320	US-09-905-125A-320	US-09-907-794A-320	US-08-987-867A-17	US-08-389-459A-17	US-09-949-016-6484	US-08-602-725-36	US-08-716-679-3	US-08-447-464-3
Sequence 1, Appli Sequence 1, Appli Sequence 1, Appli Sequence 5, Appli	127	219	15	2 2	۲,	24	۲,	1 6	56	20	° t	18	18	4 4	13	7,	4 4	94	94	ب س س	ູດຸ	ກຸຕ	10	17	φ,	٦ ٢	13 8	3 1	92	- 91	21	2 2	32	υ 2 2	32	با بر در در	3 20	32	.υ .ν	32	30	17	Η.	64	ب پي	'n	u
					 -	 - -																																									
38 38 39	3 B G		ا ندا	L. ((4)	(دن دن		tu t					ı (u						La (35	יים אינט אינט	LU L	س ب <u>ـ</u>	14.C	34	34.	υ A.	34		<u></u>	سا در سا در	: W	<u></u>	ىن بى نى نى	33	32.6	2 2 2	32	32			
90	386		ا ندا		(4)	(377	375 376		tu t					ı (u				361 1		La (353 1	52 1	50 1	49 1	47 1	46 1	44 1	43 1	341	340	338	37 1	1	3 W	333	1 (X	330	329	327	26 1	25 1	24 1	22 1	130
90 137.	86 13	384 13	383 13	381 13 382 13	380 13	378 13 379 13	377 138.	375 138. 376 138.	374 13	373 13	371 13	370 14	369 14	367 14	366 14	365 14	364 14	362 14	361 140.	359 14	358 14	356 14 357 14	355 14	353 141. 354 14	52 141.	50 141.	49 141.	47 141.	46 141.	44 141.	43 141.	41 14	40 14	38 14	37 142.	36 142	34 14	33 14	31 14	30 14	29 14	27 14	26 143.	25 143.	24 143.	22 143.	
88 138 8. 89 138 8. 90 138 8. 91 137.5 8.	86 138 8. 87 138 8.	384 138 8. 385 138 8.	383 138 8.	381 138 8. 382 138 8.	380 138 8.	378 138 8. 379 138 8.	377 138.5 9.	375 139 9. 376 138.5 9.	374 139 9.	373 139 9.	371 139 9.	370 140 9.	369 140 9.	367 140 9.	366 140 9.	365 140 9.	364 140 9.	362 140 9.	361 140.5 9.	359 141 9. 360 141 9.	358 141 9.	356 141 9. 357 141 9.	355 141 9.	353 141.5 9. 354 141 9.	52 141.5 9.	50 141.5 9.	49 141.5 9.	47 141.5 9.	46 141.5 9.	44 141.5 9.	43 141.5 9.	41 142 9.	40 142 9.	38 142 9.	37 142.5 9.	36 142.5 9.	143 9.	33 143 9.	31 143 9. 32 143 9.	30 143 9.	29 143 9.	27 143 9.	26 143.5 9.	25 143.5 9.	24 143.5 9.	22 143.5 9.	Let Fillet
88 138 8.9 880 89 138 8.9 880 90 138 8.9 1018 91 137.5 8.9 518	86 138 8.9 880 87 138 8.9 880	384 138 8.9 874 385 138 8.9 880	383 138 8.9 874	381 138 8.9 605 382 138 8.9 605	380 138 8.9 605	378 138 8.9 514 379 138 8.9 517	377 138.5 9.0 1745	375 139 9.0 869 376 138.5 9.0 458	374 139 9.0 869	373 139 9.0 869	371 139 9.0 869	370 140 9.1 911	369 140 9.1 911	367 140 9.1 911 368 140 9.1 911	366 140 9.1 890	365 140 9.1 890	364 140 9.1 890	362 140 9.1 890	361 140.5 9.1 252	359 141 9.1 1024 360 141 9.1 1461	358 141 9.1 868	356 141 9.1 868	355 141 9.1 868	353 141.5 9.2 664 154 141 9.1 34	52 141.5 9.2 626	50 141.5 9.2 567 51 141 5 9.2 567	49 141.5 9.2 567	47 141.5 9.2 337 48 141 5 9.2 342	46 141.5 9.2 337	44 141.5 9.2 315	43 141.5 9.2 287	41 142 9.2 464	40 142 9.2 464	38 142 9.2 321 36 143 6.3 389	37 142.5 9.2 289	35 143 9.3 1953 36 142.5 9.2 289	34 143 9.3 1911	33 143 9.3 1911	31 143 9.3 1911 32 143 9.3 1911	30 143 9.3 338	29 143 9.3 338	27 143 9,3 310 28 143 9.3 310	26 143.5 9.3 511	25 143.5 9.3 504	24 143.5 9.3 504	22 143.5 9.3 504	02F F40.0 9.0 004
388 138 8.9 880 2 US-08-445-461-10 389 138 8.9 880 2 US-09-223-490-10 390 138 8.9 1018 1 US-08-452-052-2 391 137.5 8.9 518 2 US-09-919-172-20	86 138 8.9 880 2 87 138 8.9 880 2	384 138 8.9 874 1 385 138 8.9 880 1	383 138 8.9 874 1	381 138 8.9 605 2 382 138 8.9 605 2	380 138 8.9 605 1	378 138 8.9 514 2 379 138 8.9 517 2	377 138.5 9.0 1745 2	375 139 9.0 869 2 376 138.5 9.0 458 2	374 139 9.0 869 2	373 139 9.0 869 2	371 139 9.0 869 1	370 140 9.1 911 2	369 140 9.1 911 1	367 140 9.1 911 1 368 140 9.1 911 1	366 140 9.1 890 2	365 140 9.1 890 2	364 140 9.1 890 2	362 140 9.1 890 1	361 140.5 9.1 252 1	359 141 9.1 1024 2 360 141 9.1 1461 2	358 141 9.1 868 2	356 141 9.1 868 1	355 141 9.1 868 1	353 141.5 9.2 664 2	52 141.5 9.2 626 2	50 141.5 9.2 567 2 51 141 5 9.2 567 2	49 141.5 9.2 567 2	47 141.5 9.2 337 2 48 141 5 9.2 342 2	46 141.5 9.2 337 2	44 141.5 9.2 315 1 46 141 5 9.2 337 1	43 141.5 9.2 287 1	41 142 9.2 464 2	40 142 9.2 464 1	38 142 9.2 321 6	37 142.5 9.2 289 2	35 143 9.3 1953 2 36 142.5 9.2 289 2	34 143 9.3 1911 4	33 143 9.3 1911 2	31 143 9.3 1911 1 32 143 9.3 1911 1	30 143 9.3 338 2	29 143 9.3 338 1	27 143 9.3 310 1 28 143 9.3 318 1	26 143.5 9.3 511 2	25 143.5 9.3 504 2	24 143.5 9.3 504 2	22 143.5 9.3 504 2	321 143.5 9.3 304 2

4557 458 4600 4600 4664	4444444 000000000000000000000000000000	9 6 7 6 5																	
1129.5 129.5 129.5 129.5	31. 31. 31. 13.	, 13 13 13	133.	133.5	 	3	. 4. 4. 4.	134.5 134.5 134.5	- U U U	57 57 57	,,,,,,,		51 51 5	יטיטי	57.57	55	3.6		99
						8.7 8.7	8.7		8.8 8.8 9.7										
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4																			
US-08-205-697A-17 US-08-702-525-17 US-09-651-200-17 US-09-657-135-35 US-09-667-135-35 US-09-837-867A-17 PCT-US95-02576-17 US-09-949-016-6729 US-09-381-586-32 US-09-823-038A-32	US-07-640-029-1 US-08-506-296B-4 US-08-506-296B-3 US-07-640-029-3 US-09-383-586-31 US-09-823-038A-31 US-09-949-016-10458	US-08-408-093-6 US-08-408-420A-6 US-08-714-901-6 US-08-040-741-6 US-09-949-016-10321	US-08-786-164-6 US-09-427-353-2 US-09-999-833A-612 US-10-020-445A-612	US-08-232-538-12 US-08-786-164-12 US-08-232-538-6	US-09-189-035-6 US-09-382-086-6 US-08-999-689A-5 5169835-2	US-09-949-016-7565	US-09-159-135-4 US-09-159-135-4 US-09-450-798-4 US-09-425-762-31	US-08-456-104-8 US-08-101-624-25 US-08-153-262-4 US-08-479-744A-31	PCT-US92-02750-8 PCT-US92-05401-6 PCT-US92-09893-6 US-08-147-772-4	US-09-872-136B-6 US-09-766-678-2 US-09-919-408A-6	US-08-443-861-2 US-09-021-324-6 US-08-193-829B-2	US-08-252-517-6 US-07-906-397A-6 US-08-601-891-6	US-07-946-507-4	US-08-193-829B-5 US-09-766-678-5	US-08-985-526-34 US-08-443-861-5	US-08-471-570-10 US-09-800-729-175	US-09-949-016-6577 US-08-471-570-4	US-09-540-245A-19 US-10-289-776-19 US-09-949-016-11496	US-09-270-767-33678 US-09-270-767-48895
Sequence 17, Appl Sequence 17, Appl Sequence 17, Appl Sequence 17, Appl Sequence 17, Appl Sequence 17, Appl Sequence 6729, Appl Sequence 32, Appl Sequence 32, Appl	drence drence drence drence drence	quence 6, quence 6, quence 6, quence 6, quence 10;	quence quence quence	Sequence Sequence Sequence	quence quence quence	duence duence duence	quence quence quence	Sequence 8, Appli Sequence 25, Appli Sequence 4, Appli Sequence 31, Appl	quence quence quence	quence quence quence	quence quence	quence quence	drence drence	quence	quence	quence	quence quence	quence quence	quence
	ppi ppi ppi ppi	2 2 2 2 2 2	.	, p. p. (л н. н. н.	0													
530 531 531 532 533 534 535 537 538																			
530 12 531 12 532 12 533 12 534 12 535 12 536 12 538 12	523 127 524 127 525 127 526 127 527 127 529 127 529 127	518 127 519 127 520 127 521 127 522 127	514 127 515 127 516 127 517 127	511 512 12 513 12	507 12 508 510	504 12 506 12	501 502 502	495 1 496 1 498	491 12 492 12 493 12 494 12	488 129. 489 129. 490 129.	485 129. 486 129. 487 129.	482 129. 483 129. 484 129.	480 129. 481 129.	477 129. 478 129.	475 129. 476 129.	473 129. 474 129.	471 129. 472 129.	468 129. 469 129. 470 129.	466 129. 467 129.
530 127 531 127 532 127 533 127 533 127 534 127 535 127 536 127 537 127 538 127	524 127.5 8. 525 127.5 8. 526 127.5 8. 527 127.5 8. 529 127.5 8.	518 127.5 8. 519 127.5 8. 520 127.5 8. 521 127.5 8. 522 127.5 8.	514 127.5 8. 515 127.5 8. 516 127.5 8. 517 127.5 8.	511 127.5 8. 512 127.5 8. 513 127.5 8.	507 128.5 8. 508 128 8. 509 128 8. 510 128 8.	504 128.5 8. 505 128.5 8. 506 128.5 8.	500 129 8. 502 129 8. 502 129 8.	495 129.5 8. 496 129.5 8. 497 129 8. 498 129 8.	491 129.5 8. 492 129.5 8. 493 129.5 8. 494 129.5 8.	488 129.5 8. 489 129.5 8. 490 129.5 8.	485 129.5 8. 486 129.5 8. 487 129.5 8.	482 129.5 483 129.5 484 129.5	480 129.5 8. 481 129.5 8.	477 129.5 8. 478 129.5 8.	475 129.5 8. 476 129.5 8.	473 129.5 8. 474 129.5 8.	471 129.5 8. 472 129.5 8.	468 129.5 469 129.5 470 129.5	466 129.5 8. 467 129.5 8.
530 127.5 8. 531 127.5 8. 532 127.5 8. 533 127.5 8. 534 127.5 8. 535 127.5 8. 536 127.5 8. 537 127.5 8.	524 127.5 8.3 1 525 127.5 8.3 1 526 127.5 8.3 1 527 127.5 8.3 1 529 127.5 8.3 1 529 127.5 8.3 1	518 127.5 8.3 1 519 127.5 8.3 1 520 127.5 8.3 1 521 127.5 8.3 1 522 127.5 8.3 1	514 127.5 8.3 515 127.5 8.3 516 127.5 8.3 517 127.5 8.3	511 127.5 8.3 512 127.5 8.3 513 127.5 8.3	507 128.5 8.3 508 128 8.3 509 128 8.3 510 128 8.3	504 128.5 8.3 505 128.5 8.3 506 128.5 8.3	500 129 8.4 502 129 8.4 502 129 8.4 502 129 8.4	495 129.5 8.4 496 129.5 8.4 497 129 8.4 498 129 8.4	491 129.5 8.4 492 129.5 8.4 493 129.5 8.4 494 129.5 8.4	488 129.5 8.4 489 129.5 8.4 490 129.5 8.4	485 129.5 8.4 486 129.5 8.4 487 129.5 8.4	482 129:5 8.4 483 129:5 8.4 484 129:5 8.4	480 129.5 8.4 481 129.5 8.4	477 129.5 8.4 478 129.5 8.4	475 129.5 8.4 476 129.5 8.4	473 129.5 8.4 474 129.5 8.4	471 129.5 8.4 472 129.5 8.4	468 129.5 8.4 469 129.5 8.4 470 129.5 8.4	466 129.5 8.4 467 129.5 8.4
530 127.5 8.3 1106 2 US-09-436.7 917.4 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7	524 127.5 8.3 1106 1 US-08-460-5 524 127.5 8.3 1106 1 US-08-460-5 525 127.5 8.3 1106 2 US-08-980-4 526 127.5 8.3 1106 2 US-09-583-6 527 127.5 8.3 1106 2 US-09-583-6 528 127.5 8.3 1106 2 US-09-583-6 529 127.5 8.3 1106 2 US-09-583-6	518 127.5 8.3 1090 2 US-09-866-510-155-25 127.5 8.3 1106 1 US-08-1801-195-2 127.5 8.3 1106 1 US-08-168-917-2 127.5 8.3 1106 1 US-08-477-329-2 127.5 8.3 1106 1 US-08-475-458-2 127.5 8.3 1106 1 US-08-475-475-475-475-475-475-475-475-475-475	514 127.5 8.3 347 2 US-09-667-135-4 515 127.5 8.3 424 6 5169835-6 516 127.5 8.3 449 2 US-09-310-463-38 516 127.5 8.3 561 2 US-09-866-510-24	\$11 127.5 8.3 270 1 US-08-652- \$12 127.5 8.3 322 2 US-09-383- \$13 127.5 8.3 322 2 US-09-823-	507 128.5 8.3 820 1 US-08-166- 508 128 8.3 488 2 US-09-499- 509 128 8.3 497 2 US-09-499- 510 128 8.3 497 2 US-09-499-	504 128.5 8.3 322 2 US-09-910-5 505 128.5 8.3 322 2 US-09-920-5 506 128.5 8.3 524 2 US-09-270-5	500 129 8.4 388 2 US-08-445- 501 129 8.4 388 2 US-08-445- 502 129 8.4 388 2 US-08-223- 502 129 8.4 388 2 US-09-223-	495 129.5 8.4 822 2 US-08- 496 129.5 8.4 822 2 US-09- 497 129 8.4 354 2 US-10- 498 129 8.4 388 1 US-08-	491 129.5 8.4 822 1 US-08-459- 492 129.5 8.4 822 1 US-08-4451- 493 129.5 8.4 822 1 US-08-451- 494 129.5 8.4 822 2 US-08-439-	488 129.5 8.4 820 2 US-09-620- 489 129.5 8.4 822 1 US-07-997- 490 129.5 8.4 822 1 US-07-921-	485 129.5 8.4 820 1 US-07-921- 486 129.5 8.4 820 1 US-08-431- 487 129.5 8.4 820 2 US-08-439-	482 129.5 8.4 733 2 US-08-03-9-620-1 483 129.5 8.4 733 2 US-09-620-1 484 129.5 8.4 817 1 US-07-640-	480 129.5 8.4 733 1 US-07-921- 481 129.5 8.4 733 1 US-08-441-	477 129.5 8.4 731 2 US-08-439-1 478 129.5 8.4 731 2 US-09-620-1	475 129.5 8.4 731 1 US-07-921-807B-5 476 129.5 8.4 731 1 US-08-441-944A-5	473 129.5 8.4 609 2 US-09-949-016-775 474 129.5 8.4 609 2 US-09-949-016-775	471 129.5 8.4 609 2 US-09-949-016-775 472 129.5 8.4 609 2 US-09-949-016-775	468 129.5 8.4 609 2 US-09-949-1 469 129.5 8.4 609 2 US-09-949-1 470 129.5 8.4 609 2 US-09-949-1	466 129.5 8.4 456 2 US-09-949-016-756

		பாபா	5 5 9	5 05 0	591	588	500	5 60 6	5 5	582	580	57	579	57	ກຸຫຼຸບ	n (n (9 9	unu	n 50 0	5 5 5	555	ທຸ	ເທີຍ	0.00	n (n	ທ ບ	ıψ	ψū	, ú, í	տտ	υ <u>ν</u> υ	າທຸ
600 600 600 610 611	600 601 603	98	0.01	ישם	· - •		70	, 01 .	w		. U W	8 7	01 01	ושם	323	5 6 6	7 6	9.00	. ω χ	5 2 6	9 8	570	. 0. 1	: 22 :	2 2	0 4	8	4 6		4 4 4 W	シェゥ	9
111111111111111111111111111111111111111	24. 24.	125 125	25	255	125.5	25.	25.	25.	25.	25.	25.	25.	25	25.	25.	25.	200	22	126	126	126	126	126	126	3.5	126.5	2,5	127	127	127 127	127	127.5
	8 8 8 8 1 1 1 1 1	8.1.1	8 8 4 4	B 60 5	 	8 8 6	8.1	, i,	8.1	8.1	8.1	8.1	8.8	8 8 9	8 8 9										•		•				8 8 8 8 8 8	•
769 769	140 235 304	ភ ភ ភ ភ ភ ភ ភ ភ ភ	1268	612	612	611 611	596	7 55 F	471 471	471 471	471 471	471 471	471 471	398 418	398	398	398	1456	1356	1356	1356	767	767	764	1447	1447	788	788	000	416 668	416 416	1106
US-08-205-697A-2 US-08-702-525-2 US-08-702-525-2 US-09-837-867A-2 PCT-USS-02576-2 US-08-434-000A-10 US-09-312-157-10 US-09-717-888-10 US-09-717-888-10	US-09-102-716-16 US-08-986-485-4 US-09-646-561-12 US-09-646-561-2	US-08-661-052-16 US-09-188-082-16 US-09-364-088-16	US-08-323-430-13 US-08-506-296B-28	US-09-991-326-11 US-08-451-822A-13	US-09-991-326-10 US-08-752-307B-11 US-09-707-802-11	US-08-752-307B-10 US-09-707-802-10	US-09-991-326-13	US-08-752-307B-13	US-09-949-016-9050 US-09-949-016-9051	US-09-949-016-9048 US-09-949-016-9049	US-09-949-016-9046 US-09-949-016-9047	US-09-949-016-9044 US-09-949-016-9045	US-09-949-016-9042 US-09-949-016-9043	PCT-US91-03478-2 US-09-949-016-9458	US-08-406-824A-8 US-08-406-824A-8	US-09-1/3-151A-26 US-09-461-908-2	US-08-091-519-2 US-08-442-043A-2 US-06-173-1513-26	US-10-022-939-2 US-09-949-016-9853	US-10-100-405A-2 US-10-022-939-2	US-09-098-707A-2 US-09-483-539-2	US-08-810-116-8 US-07-930-548A-8	US-10-105-901A-2	US-08-643-839-2	US-09-142-956B-14	PCT-US94-05277-2	US-09-041-886-25	US-08-786-164-15	US-09-173-151A-4 US-08-232-538-15	US-08-786-164-13	US-09-638-648-1 US-08-232-538-13	US-08-449-742-2 US-09-638-649-1 US-08-755-235-2	PCT-US92-00862-2
Sequence 2, 1 Sequence 2, 2 Sequence 2, 2 Sequence 10, 2 Sequence 10, 2 Sequence 10, 2 Sequence 3, 1	2146	161	26	3 11 1	111	100	11 1	Sequence 13,	Sequence 905	Sequence 904	Sequence 904	Sequence 904	Sequence 904	Sequence 2, Sequence 945	Sequence 8,	sequence 2,	Sequence 2, 2	Sequence 985	Sequence 2, 1	Sequence 2, 2	Sequence 8,	Sequence 2,	Sequence 2,	Sequence 14,	Sequence 2, 1	Sequence 25,	Sequence 15,	Sequence 4, 1 Sequence 15,	Sequence 13,	Sequence 1, i	Sequence 1, 1 Sequence 2, 1	Sequence 2,
Appli Appli Appli Appli Appli Appli Appl Appl	Appl Appl Appl	App App	App	App A	Appl	App1	App1	Appl	1, Ap	9, Ap	7, Ap	5, Ap	3, Ap	Appli 8, Ap	Appli Appli Appli	Appli Appli	Appli Appli	3, Ap	Appli	Appli Appli	Appli	Appli	Appli	App1	Appli Appli	App1	Appl	Appli Appl	Appl	Appli Appli	2, Appli 1, Appli 2, Appli	Appli
																										-				_		
								-										638	636	200	632	630	628	626	624	623						
677 118 678 118 679 118 679 118 681 118 682 11 683 11	673 119. 674 11 675 118. 676 118.	670 119. 671 119. 672 119.	668 120. 669 119.	666 120. 667 120.	664 120 665 120	661 12 662 12	660 121.	658 121 659 121	656 12 657 12	655 12	652 12 653 12	650 12 651 12	648 122. 649 122.	646 122. 647 122.	644 122. 645 122.	642 122. 643 122.	639 122. 640 122.	122.	122.	122.	123.	123.	123.	132	12	12	621 12	620 12	618 12	616 124. 617 12		612 124.
677 118.5 7.678 118.5 7.679 118.5 7.680 118.5 7.680 118.5 7.681 118 7.683 118 7.684 11	673 119.5 7. 674 119 7. 675 118.5 7. 676 118.5 7.	670 119.5 7. 671 119.5 7. 672 119.5 7.	668 120.5 7. 669 119.5 7.	666 120.5 7. 667 120.5 7.	663 121 7. 664 121 7. 665 120.5 7.	661 121 7. 662 121 7.	660 121.5 7.	658 122 7.	656 122 7. 657 122 7.	654 122 7. 655 122 7.	652 122 7. 653 122 7.	650 122 7. 651 122 7.	648 122.5 7. 649 122.5 7.	646 122.5 7. 647 122.5 7.	644 122.5 7. 645 122.5 7.	642 122.5 7. 643 122.5 7.	639 122.5 7. 640 122.5 7.	122.5	122.5 7.	122.5 7.	123.5	123.5	123.5	124 8.	124 8. 124 8.	124 8.	621 124 8.	619 124 B. 620 124 B.	618 124 8.	616 124.5 8. 617 124 8.	614 124.5 8. 615 124.5 8.	612 124.5 8.
677 118.5 7.7 678 118.5 7.7 678 118.5 7.7 679 118.5 7.7 680 118.5 7.7 681 118 7.6 682 118 7.6 683 118 7.6 684 118 7.6	673 119.5 7.7 674 119 7.7 675 118.5 7.7 676 118.5 7.7	670 119.5 7.7 671 119.5 7.7 672 119.5 7.7	668 120.5 7.8 669 119.5 7.7	666 120.5 7.8	663 121 7.8 664 121 7.8 665 120.5 7.8	661 121 7.8 662 121 7.8	660 121.5 7.9	658 122 7.9 659 121 7.9	656 122 7.9 657 122 7.9	654 122 7.9 655 122 7.9	652 122 7.9 653 122 7.9	650 122 7.9 651 122 7.9	648 122.5 7.9 649 122.5 7.9	646 122.5 7.9 647 122.5 7.9	644 122.5 7.9 645 122.5 7.9	642 122.5 7.9	640 122.5 7.9 640 122.5 7.9	122.5 7.9	122.5 7.9	122.5 7.9	123.5 8.0	123.5 8.0	123.5 8.0	124 8.0	124 8.0 124 8.0	124 8.0	621 124 8.0	619 124 8.0 620 124 8.0	618 124 8.0	616 124.5 8.1 617 124 8.0	614 124.5 8.1 615 124.5 8.1	612 124.5 8.1
677 118.5 7.7 239 2 678 118.5 7.7 512 2 679 118.5 7.7 985 2 680 118.5 7.7 985 2 681 118 7.6 489 2 682 118 7.6 924 1 684 118 7.6 924 1	673 119.5 7.7 560 2 674 119 7.7 651 2 675 118.5 7.7 238 2 676 118.5 7.7 239 2	670 119.5 7.7 380 2 672 119.5 7.7 467 2	668 120.5 7.8 404 2 669 119.5 7.7 302 2	666 120.5 7.8 303 2 667 120.5 7.8 404 2	663 121 7.8 771 2 664 121 7.8 771 2 665 120 5 7.8 240 2	661 121 7.8 490 2 662 121 7.8 771 2	660 121.5 7.9 404 2	658 122 7.9 771 2 659 121 5 7.9 404 2	656 122 7.9 622 2 657 122 7.9 668 2	654 122 7.9 525 2 655 122 7.9 525 2	652 122 7.9 351 4 653 122 7.9 373 2	650 122 7.9 216 2 651 122 7.9 256 2	648 122.5 7.9 1150 2 649 122.5 7.9 1209 2	646 122.5 7.9 1069 2 647 122.5 7.9 1072 2	645 122.5 7.9 985 2 645 122.5 7.9 991 2	642 122.5 7.9 917 2	640 122.5 7.9 907 2 640 122.5 7.9 907 2	122.5 7.9 826 2	122.5 7.9 646 2	122.5 7.9 299 2	123.5 8.0 915 2 123.5 8.0 917 2	123.5 8.0 885 2	123.5 8.0 503 2	124 8.0 769 1	124 8.0 388 2 124 8.0 643 1	124 8.0 388 2	621 124 8.0 388 2	619 124 8.0 302 2 620 124 8.0 388 1	618 124 8.0 34 1	616 124.5 8.1 917 1 617 124 8.0 26 2	614 124.5 8.1 917 1 615 124.5 8.1 917 1	612 124.5 8.1 917 1 613 124 5 8 1 917 1
677 11 678 11 679 11 680 11 681 682 683 684	673 119.5 7.7 560 2 US-09 674 119 7.7 651 2 US-09 675 118.5 7.7 238 2 US-09 676 118.5 7.7 239 2 US-08	670 119.5 7.7 34.2 0.5-09-949-016-848 671 119.5 7.7 380 2 US-09-877-730-4 672 119.5 7.7 467 2 US-09-046-736-2	668 120.5 7.8 404 2 US-09-638-648-3 669 119.5 7.7 302 2 US-09-877-730-14	666 120.5 7.8 303 2 US-09-509-347-7	663 121 7.8 771 2 US-09 664 121 7.8 771 2 US-09 665 120.5 7.8 240 2 US-09	661 121 7.8 490 2 US-09 662 121 7.8 771 2 US-08	660 121.5 7.9 404 2 US-09-799-152-1	658 122 7.9 771 2 US-09-818-247-4 659 121 5 7.9 404 2 US-09-049-016-111	656 122 7.9 622 2 US-09	654 122 7.9 525 2 US-09	652 122 7.9 351 4 PCT-U	650 122 7.9 256 2 US-09	648 122.5 7.9 1150 2 US-09 649 122.5 7.9 1209 2 US-09	646 122.5 7.9 1069 2 US-09 647 122.5 7.9 1072 2 US-09	644 122.5 7.9 985 2 US-09 645 122.5 7.9 991 2 US-09	642 122.5 7.9 917 2 US-10	649 122.5 7.9 907 2 US-09 122.5 7.9 907 2 US-09 122.5 7.9 915 2 US-09 122.10	122.5 7.9 826 2 US-09	122.5 7.9 646 2 US-09	123.5 8.0 91/ 2 US-09-651-200-15 122.5 7.9 299 2 US-09-651-200-15	123.5 8.0 915 2 US-10 123.5 8.0 917 2 US-10	123.5 8.0 885 2 US-10	123.5 8.0 503 2 US-08-99-689A-6	124 8.0 769 1 US-08-471-570-8	124 8.0 388 2 US-09	124 8.0 388 2 US-08	621 124 8.0 388 2 US-08	620 124 8.0 302 2 US-09	618 124 8.0 34 1 US-08	616 124.5 8.1 917 1 US-08	614 124.5 8.1 917 1 US-08 615 124.5 8.1 917 1 US-08	612 124.5 8.1 917 1 US-08

748 750 752 753 755 755 755	743 744 745 746	740	m 7 00 0									10 - 0					υ	8	3 00 01		ÄÄÄ	0 6	
115 115 115 115 115 115 114.5	:::::55	115.5 115.5 115.5	116		722	17.		17.	17.	17.					117.5						• • •	• • •	118 118 117.5 117.5
7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7	7.44	7.55	7 7 7 7 5 5 5 5	7.55	7.6 7.6	7.6	7.7.6	7.6 7.6	7.6 6	7.6 6	7.6 7.6	7.6	7.6	7.6	7.6	7.6	7.6 7.6	7.6	7.66	7.6	17.	7.66	7.6 7.6 7.6
22222222222222222222222222222222222222																							
US-09-620-461-8 US-09-641-291-1 US-09-645-069-4 US-09-915-789A-17 US-09-915-789A-17 US-09-644-934-4 US-09-99-152-2 US-08-633-148-2 US-08-999-689A-8 US-08-999-689A-8 US-08-646-265A-109 US-09-303-040-4	US-09-949-016-7714 US-09-949-016-7715 US-08-751-359-22 US-08-907-146-22 US-09-910-174B-8	US-09-489-039A-13452 US-09-270-767-43068 US-09-651-200-16 US-09-651-200-2	US-09-291-299A-8 US-09-291-299A-10 5169835-13 US-09-818-247-5	US-09-949-016-8484 US-09-383-630-6 US-09-412-554A-2	US-09-270-767-42034 US-08-463-163-3 US-09-949-016-8484	PCT-US92-00730-4 PCT-US92-00862-4	US-09-866-510-10 US-09-919-497-90 US-09-949-016-6703	US-09-866-510-4 US-09-866-510-6 US-09-866-510-8	US-08-464-436-2 US-09-769-987-2 US-09-866-510-2	US-09-435-059-36 US-08-461-917-2 US-08-464-436-2	US-09-583-459A-36 US-09-583-210-36 US-09-583-449A-36	US-08-980-400-36 US-08-462-728-2	US-08-475-458-36 US-08-460-510-4	US-08-168-917-4 US-08-477-329-36	US-09-949-016-8119 US-09-961-403-4 US-08-180-195-36	US-09-949-016-6254 US-09-818-247-1	US-09-095-385-4 US-09-949-016-7568	US-09-866-510-12	US-09-999-833A-259 US-10-020-445A-259 US-09-560-638-8	US-09-638-648-5 US-08-759-628-4	US-09-046-736-4 US-09-638-649-5	US-09-032-337-45 US-09-949-016-6424	US-08-485-604-28 US-08-487-595-28 US-09-560-639-9 US-09-173-151A-25
equenc equenc equenc equenc equenc equenc equenc equenc	equence 7714, A equence 7715, A equence 22, App equence 22, App equence 8, Appl	0000	Sequence 8, Appli Sequence 10, Appl Patent No. 5169835 Sequence 5, Appli	equence equence	equence equence	equence	Sequence 10, Appl Sequence 90, Appl Sequence 6703, Ap	equence equence	equence equence	equence equence	equence equence	equence equence	equence	equence	equence	equence	equence 4, equence 75	equence 8,	equence 25 equence 25	equence 5,	equence 4,	equence 45 equence 64	equence 2 equence 2 equence 9 equence 2
				0 00 00 0				777	.				177			- 7 7					1 4 4		
821 109 822 109 823 109 824 109 825 109 826 109 827 109 829 109 830 109	816 1 817 1 818 1 819 1 820 109	812 110 813 1 814 1 815 1	808 1 809 1 810 110	ــر در د	803 1 804 1	801 1 802 1	798 111 799 1 800 1				112 112	112			یر بر د				113	1		114	758 114 759 114 760 114 761 114
100	816 110 817 110 818 110 819 110 820 109.5	812 110.5 813 110 813 110 815 110	808 III 809 III 810 II0.5 811 I10.5	111	803 111 804 111	801 111 802 111	798 111.5 799 111 800 111	111.5 111.5 111.5	112.5 112.5 111.5	112.5 112.5 112.5	112.5 112.5 112.5	112.5	113 113	113	113	113	113	113	113.5 113	113.5	114	114.5 114	114.5 114.5 114.5 114.5
109.5 7.1 109.5 7.1 109.5 7.1 109.5 7.1 109.5 7.1 109.5 7.1 109.5 7.1 109.5 7.1 109.5 7.1 109.5 7.1	816 110 7.1 817 110 7.1 818 110 7.1 819 110 7.1 820 109.5 7.1	812 110.5 7.2 813 110 7.1 814 110 7.1 815 110 7.1	808 111 7.2 809 111 7.2 810 110.5 7.2 811 110.5 7.2	111 7.2 111 7.2	803 111 7.2 804 111 7.2 805 111 7.2	801 111 7.2 802 111 7.2	798 111.5 7.2 799 111 7.2 800 111 7.2	111.5 7.2 111.5 7.2 111.5 7.2	112.5 7.3 112.5 7.3 111.5 7.2	112.5 7.3 112.5 7.3 112.5 7.3	112.5 7.3 112.5 7.3 112.5 7.3	112.5 7.3	113 7.3 113 7.3 1	113 7.3 113 7.3	113 7.3 113 7.3	113 7.3 113 7.3	113 7.3 113 7.3	113 7.3	113.5 7.4 113 7.3	113.5 7.4	114 7.4 114 7.4	114.5 7.4 114 7.4	114.5 7.4 114.5 7.4 114.5 7.4 114.5 7.4
109.5 109.5 109.5 109.5 109.5 7. 109.5 7. 109.5 7.	816 110 7.1 431 817 110 7.1 431 818 110 7.1 447 819 110 7.1 558 820 109.5 7.1 558	812 110.5 7.2 738 813 110 7.1 309 814 110 7.1 309 815 110 7.1 309	808 111 7.2 754 809 111 7.2 754 810 110.5 7.2 499 811 110.5 7.2 738	111 7.2 523 111 7.2 581 111 7.2 731	803 111 7.2 330 804 111 7.2 523 806 111 7.2 523	801 111 7.2 194 802 111 7.2 269	798 111.5 7.2 668 799 111 7.2 22 800 111 7.2 194	111.5 7.2 217 111.5 7.2 623 111.5 7.2 637	112.5 7.3 619 112.5 7.3 806 111.5 7.2 198	112.5 7.3 463 112.5 7.3 463 112.5 7.3 463	112.5 7.3 463 112.5 7.3 463 112.5 7.3 463	112.5 7.3 463 112.5 7.3 463	113 7.3 729 113 7.3 1140	113 7.3 677 113 7.3 729	113 7.3 489 113 7.3 652 113 7.3 652	113 7.3 489 113 7.3 489	113 7.3 448 113 7.3 455	113 7.3 448	113.5 7.4 332 113 7.3 447	113.5 7.4 316	114 7.4 630 114 7.4 630	114.5 7.4 579 114 7.4 405	114.5 7.4 439 114.5 7.4 439 114.5 7.4 439 114.5 7.4 439
109.5 7.1 272 1 US-08-282 109.5 7.1 280 2 US-09-260 109.5 7.1 307 2 US-09-197 109.5 7.1 314 6 5434340-7 109.5 7.1 477 1 US-08-359 109.5 7.1 477 1 US-08-286 109.5 7.1 477 1 US-08-286 109.5 7.1 477 2 US-08-444 109.5 7.1 477 2 US-08-444 109.5 7.1 477 2 US-08-444	816 110 7.1 431 2 US-09-0 817 110 7.1 431 2 US-09-0 818 110 7.1 447 2 US-09-0 819 110 7.1 558 2 US-09-0 820 109-5 7.1 258 2 US-09-0	812 110.5 7.2 738 2 US-09-336 813 110 7.1 309 2 US-09-67 814 110 7.1 309 2 US-09-87 815 110 7.1 309 2 US-09-820	808 111 7.2 731 1 US-08-585 809 111 7.2 754 1 US-08-525 810 110.5 7.2 499 2 US-09-049 811 110.5 7.2 738 2 US-08-478	111 7.2 523 2 US-09-620 111 7.2 581 1 US-08-724 111 7.2 731 1 US-08-080 111 7.2 731 1 US-08-885	803 111 7.2 330 1 US-08-525 804 111 7.2 531 2 US-09-910 805 111 7.2 521 2 US-08-525	801 111 7.2 194 2 US-09-375 802 111 7.2 269 2 US-10-000	798 111.5 7.2 668 2 US-09-949 799 111 7.2 22 2 US-09-397 800 111 7.2 194 2 US-08-630	111.5 7.2 217 2 US-09-291 111.5 7.2 623 2 US-09-949 111.5 7.2 637 2 US-09-569	112.5 7.3 619 2 US-10-104-047-29 112.5 7.3 806 2 US-09-383-60-20 111.5 7.2 198 2 US-09-569-611C-34	112.5 7.3 463 2 US-10-011-833A-16 112.5 7.3 463 2 US-10-006-041A-16 112.5 7.3 463 2 US-10-012-064A-16	112.5 7.3 463 2 US-10-006 112.5 7.3 463 2 US-10-015 112.5 7.3 463 2 US-10-015	112.5 7.3 463 2 US-10-012-231A-16 112.5 7.3 463 2 US-10-015-389A-16	113 7.3 729 1 US-08-885	113 7.3 677 2 US-09-949 113 7.3 729 1 US-08-070	113 7.3 489 2 US-09-949-0 113 7.3 652 2 US-09-949-0 113 7.3 652 2 IIS-08-842-2	113 7.3 489 2 US-09-310-4 113 7.3 489 2 US-08-842-2	113 7.3 448 2 US-09-949-0	113 /.3 448 2 US-08-842-2	113.5 7.4 332 2 US-09-062-3165- 113 7.3 447 2 US-09-746-3116- 113 7.3 449 2 US-09-310-463-	113.5 7.4 316 2 US-10-027-7	114 7.4 630 1 US-08-757-802	114.5 7.4 579 2 US-09-173-151	114.5 7.4 439 2 US-08-985-95 114.5 7.4 439 2 US-09-310-46 114.5 7.4 439 2 US-08-842-24 114.5 7.4 439 2 US-09-546-04

895 896 896 899 899 899 900 900 900 900																															
* 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	891 893	889 888	886 887	883	881 882	879 880	877 878	875 876	873 874	871 872	869 870	867	2000	863	198	858	856 857	955	853	851 852	849 50	847 848	845	44	842 843	841	839 840	838	836	834 835	831 832 833
108 108 108 108 108 108	108.5 108	108.5	108.5	108.5	108.5	108.5	109	109	109 109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5 109.5 109.5
777777777																								7.1	7.1 7.1	7.1	7.1	7.1	7.1	7.1 7.1	7.1 7.1 7.1
248 248 248 281 310 612 612	8 4 4 4	4 6 6	444	984	55	2 4 7 2	5 4 0	50	50	00	4 4 0 0	400	000	200	000	00	00	26	200	69	4 4 8 8	4 4 8	4 4	47	47	47	222	2 4	3 2 1	222	77 83
2 US-09-296-005-22 2 US-09-920-171-22 2 US-09-916-028-2 2 US-10-113-996-22 2 US-10-027-736A-67 2 US-09-976-594-807 2 US-010-011-125A-2 1 US-08-256-846A-8 1 US-08-457-880A-8	US-08- US-09-	US-09-	-60-SD -60-SD	US-09-	US-10-	-80-Sn	-80-Sn	-80-SD	-80-SD	-60-Sn	-60-Sn	US-09-	US-09-	US-09-	US-09-	US-09-	US-09-	US-09-	US-09-	US-09-	US-10-	US-09-	-60-Sn	US-09-	US-08-	-80-Sn	-60-SII	-80-SU	US-08-	-80-SN	US-09- US-10-
Sequence 22, Appl Sequence 22, Appl Sequence 22, Appl Sequence 22, Appl Sequence 27, Appl Sequence 807, Appl Sequence 2, Appli Sequence 2, Appli Sequence 8, Appli Sequence 8, Appli Sequence 8, Appli	Sequence 4, Sequence 22 Sequence 22 Sequence 22	Sequence 42 Sequence 11	Sequence 42 Sequence 42 Sequence 42	Sequence 3,	sequence 32 Sequence 15 Sequence 14	Sequence 26	Sequence 22 Sequence 12	Sequence 39 Sequence 22	Sequence 2, Sequence 2,	Sequence 50 Sequence 50	Sequence 50 Sequence 29	Sequence 29 Sequence 50	sequence 29 Sequence 29	Sequence 29	Sequence 29 Sequence 29	Sequence 29 Sequence 29	Sequence 29 Sequence 29	Sequence 18	Sequence	Sequence	Sequence	Sequence Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence 2, Appl	Sequence	Sequence 2,	Sequence 4, Appli 4 Sequence 8574, Ap 5 Sequence 2825, Ap
967 968 969 970 971 972 973 973	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	961 962	960 959 958	956 957	0 0 0 4	952	950 951	948 949	946 947	944 945	942 943	940 941	938	9 L 2 L 3	933	931 932	929 930	928	926	924	922 923	920 921	919	917	915 916	914	912	911	909	00	904 905 906
667 668 100 700 110 711 110 721 110 741 110	10000	61 62 10	59 1	56 10	54 10	52 10	50 10	48 106 49 1	46 10 47 10	44 10 45 10	4 2 3 2	940 107 941 107	38 20 10	107.	33 107	31 107 32 107	29 107 30 107	28 1	26	24	22 1	20 1	19 1	17	15	14	12	11 1	100	07 08 1	000
67 106 6. 68 106 6. 70 106 6. 71 106 6. 72 106 6. 73 106 6. 75 106 6.	106 6.	61 106 6. 62 106 6.	58 106 6. 59 106 6.	56 106 6.	54 106 6.	52 106 6.	50 106 6. 51 106 6.	48 106.5 6. 49 106 6.	46 106.5 6. 47 106.5 6.	44 106.5 6. 45 106.5 6.	42 107 6. 43 107 6.	40 107 6.	38 107 6. 38 107 6.	107.5 7.	33 107.5 7. 34 107.5 7.	31 107.5 7. 32 107.5 7.	29 107.5 7. 30 107.5 7.	28 108 7.	26 108 7.	24 108 7. 25 108 7.	22 108 23 108	20 108 21 108	19 108	17 108 7.	15 108 7. 16 108 7.	14 108 7.	12 108 7.	10 108 /. 11 108 7.	108 7.	07 108 7. 08 108 7.	04 108 05 108 06 108
67 106 6.9 480 68 106 6.9 483 69 106 6.9 525 70 106 6.9 561 71 106 6.9 561 72 106 6.9 561 73 106 6.9 561 74 106 6.9 1298 75 106 6.9 1298	65 106 6.9 456 66 106 6.9 466 706 6.9 466	61 106 6.9 286 62 106 6.9 298	58 106 6.9 251 59 106 6.9 252 60 106 6.9 278	56 106 6.9 251 57 106 6.9 251	54 106 6.9 251 55 106 6.9 251	52 106 6.9 251	50 106 6.9 251 51 106 6.9 251	48 106.5 6.9 1691 49 106 6.9 241	46 106.5 6.9 477 47 106.5 6.9 1617	44 106.5 6.9 394 45 106.5 6.9 477	42 107 6.9 318 43 107 6.9 458	40 107 6.9 278 41 107 6.9 278	3/ 10/.5 /.0 653 38 107 6.9 248 39 107 6.9 277	107.5 7.0 653	33 107.5 7.0 522 34 107.5 7.0 653	31 107.5 7.0 479 32 107.5 7.0 479	29 107.5 7.0 247 30 107.5 7.0 256	28 108 7.0 1363 28 108 7.0 1363	26 108 7.0 850	24 108 7.0 850 25 108 7.0 850	22 108 7.0 839 23 108 7.0 839	20 108 7.0 839 21 108 7.0 839	18 108 7.0 839 19 108 7.0 839	17 108 7.0 773	15 108 7.0 773 16 108 7.0 773	14 108 7.0 773	12 108 7.0 746 13 108 7.0 746	10 108 /.0 624 11 108 7.0 746	09 108 7.0 624	07 108 7.0 624 08 108 7.0 624	04 108 7.0 612 05 108 7.0 612 06 108 7.0 612
67 106 6.9 480 2 US-09-949-016-727 68 106 6.9 483 2 US-09-842-248A-16 69 106 6.9 483 2 US-08-842-248A-16 70 106 6.9 525 2 US-09-269-939A-6 71 106 6.9 561 2 US-09-277-717-4 72 106 6.9 561 2 US-09-775-046-15 73 106 6.9 561 2 US-09-775-046-15 74 106 6.9 561 2 US-09-775-046-15 75 106 6.9 1298 1 US-08-228-616-33 76 106 6.9 1298 1 US-08-340-011-2	64 106 6.9 421 2 65 106 6.9 466 2 66 106 6.9 466 2	61 106 6.9 286 2 62 106 6.9 298 2	58 106 6.9 251 2 59 106 6.9 252 1 60 106 6.9 278 2	56 106 6.9 251 2 57 106 6.9 251 2	54 106 6.9 251 2 55 106 6.9 251 2	52 106 6.9 251 1	50 106 6.9 251 1 51 106 6.9 251 1	48 106.5 6.9 1691 2 49 106 6.9 241 2	46 106.5 6.9 477 1 47 106.5 6.9 1617 2	44 106.5 6.9 394 2 45 106.5 6.9 477 1	42 107 6.9 318 6 43 107 6.9 458 2	40 107 6.9 278 1 41 107 6.9 278 1	3/ 10/.5 /.0 653 2 38 107 6.9 248 2 39 107 6.9 277 1	107.5 7.0 653 2	33 107.5 7.0 522 2 34 107.5 7.0 653 2	31 107.5 7.0 479 2 32 107.5 7.0 479 2	29 107.5 7.0 247 2 30 107.5 7.0 256 2	2/ 108 /.0 850 2 28 108 7.0 1363 2	26 108 7.0 850 1	24 108 7.0 850 1 25 108 7.0 850 1	22 108 7.0 839 2 23 108 7.0 839 2	20 108 7.0 839 1 21 108 7.0 839 2	18 108 7.0 839 1 19 108 7.0 839 1	17 108 7.0 773 2	15 108 7.0 773 2 16 108 7.0 773 2	14 108 7.0 773 2	12 108 7.0 746 2 13 108 7.0 746 2	10 108 7.0 624 2 11 108 7.0 746 2	09 108 7.0 624 2	07 108 7.0 624 1 08 108 7.0 624 2	04 108 7.0 612 2 05 108 7.0 612 2 06 108 7.0 612 2

1044 1041 1041 1042 1043 1044 1046 1046 1048	1034 1035 1036 1037	000000000000000000000000000000000000000	3040046	0 0 7 0 0 14 0 0 0	1 C C 4 D D C B O O O	200000000000000000000000000000000000000	77 77 79 80 80 80 80 80 80 80 90
104.55 104.55 104.55 104.55 104.55 104.55 104.55	00000				2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1066 1066 1066 1066 1066 1066
	354 191 273 299	315 315 315 315	4 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	44444444444444444444444444444444444444	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1363 1368 1368 1368 1368 1368 274 274 274	12098 12098 12098 12098 12062 12062 12063 12063 12063
							00000410001110000
US-09-651-200-23 US-09-441-411-15 US-09-441-411-20 US-08-456-104-4 US-08-479-744A-23 US-08-280-7578-23 US-08-702-525-21 US-08-702-525-21 US-08-67-115-33 US-09-657-125-33 US-09-425-762-23	5169835-8 5169835-8 5169835-8 5169835-8 5169835-8 5169835-8 0S-09-27-736A-68 0S-08-397-411-6 0S-08-397-411-6 0S-08-397-411-6 0S-08-397-411-6	US-08-753-007A-32 US-09-398-496-32 US-09-818-247-2 US-09-818-247-2 5169835-15 US-08-332-562A-83 US-08-332-562A-83 US-09-949-016-7014	US-08-753-007A-8 US-09-398-496-8 US-09-310-174B-9 US-09-620-461-9 US-09-949-016-6122 US-09-949-016-6122	US-08-461-968A-5 US-08-462-571-2 US-08-462-571-5 US-08-472-888A-2 US-08-472-888A-7 US-08-472-888A-7 PCT-US96-10043-1 US-09-773-877B-22 US-09-773-877B-22	US-10-027-736A-18 US-09-651-200-19 US-09-646-561-7 US-09-949-016-9074 US-09-949-016-11040 US-09-949-016-9075 US-09-949-016-9073 US-08-480-036-2 US-08-480-036-2 US-08-461-968A-2	US-09-169-079-4 US-10-105-901A-32 US-08-874-678-34 US-08-643-839-34 US-09-348-886-34 US-09-570-367C-19 US-09-915-524-19 US-09-934-634-19 US-09-917-278-19	US-08-901-710-2 US-08-446-648-33 US-09-982-610-33 US-09-982-610-33 US-09-982-610-33 US-09-18-678-33 US-08-874-678-33 US-08-843-836-33 US-10-105-901A-33 US-10-105-901A-33 US-08-914-678-32 US-08-944-678-32 US-08-94-678-32 US-08-94-678-32 US-08-901-710-4 US-08-901-710-4 US-08-901-710-4 US-08-901-710-4 US-08-901-710-4 US-08-901-710-4 US-08-901-710-4 US-09-375-248-2
sequence 23, Appl sequence 15, Appl sequence 20, Appl sequence 4, Appl sequence 23, Appl sequence 21, Appl sequence 21, Appl sequence 21, Appl sequence 22, Appl sequence 23, Appl sequence 23, Appl sequence 23, Appl	tent No. 5: tent No. 5: tent No. 5: equence 32: equence 6: equence 6: equence 30:		19 10 10 10 10 10 11	10 H W H W H W H		10 10 10 10 10 10 10 10 10	עו ע
1114 1114 1115 1116 1117 1119 1119 1120 1121	1106 1107 1108 1109 1110	1099 1100 1101 1102 1103 1104	1094 1095 1096 1098	1084 1086 1088 1088 1089 1090			1051 1052 1053 1054 1055 1056 1057 1061 1062
	103.	103.	103.		1075 104 1076 11 1077 1079 11 1079 11 1080 11 1082 11	1065 104 1066 104 1067 104 1068 104 1069 104 1070 104 1071 104 1072 104 1074 104	1050 1051 104.5 1052 104.5 1053 104.5 1054 104.5 1056 104.5 1057 104.5 1060 104.5 1061 1062 1063 104.5 1063 104.5 1063 104.5
103.55	103.555	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	104 104 104 104 104 103.5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1075 104.5 6.107 1076 104 6.1079 104 6.1081 104 6.1082 104 6.1082 104 6.1083	1065 104.5 6. 1067 104.5 6. 1068 104.5 6. 1068 104.5 6. 1070 104.5 6. 1071 104.5 6. 1073 104.5 6.	1044. 1044. 1044. 1044. 1044. 1044.
103.5 6.7 527 103.5 6.7 597 103.5 6.7 598 103.5 6.7 598 103.5 6.7 615 103.5 6.7 615 103.5 6.7 615 103.5 6.7 615 103.6 6.7 615 103.6 6.7 615 103.6 6.7 238	103.5 6.7 407 103.5 6.7 407 103.5 6.7 431 103.5 6.7 431 103.5 6.7 431 103.5 6.7 431	103.5 6.7 220 103.5 6.7 242 103.5 6.7 245 103.5 6.7 245 103.5 6.7 291 103.5 6.7 315	104 6.7 253 104 6.7 253 104 6.7 253 104 6.7 473 104 6.7 1215 104 6.7 1367 103.5 6.7 210	104 6.7 253 104 6.7 253	1075 104.5 6.8 590 1076 104 6.7 243 1077 104 6.7 244 1078 104 6.7 253 1081 104 6.7 253 1082 104 6.7 253 1083 104 6.7 253 1084 104 6.7 253 1085 104 6.7 253 1086 104 6.7 253	1065 104.5 6.8 356 1067 104.5 6.8 356 1067 104.5 6.8 356 1068 104.5 6.8 356 1070 104.5 6.8 364 1070 104.5 6.8 431 1071 104.5 6.8 431 1072 104.5 6.8 590 1074 104.5 6.8 590	104.5 6.8 309 104.5 6.8 309 104.5 6.8 309 104.5 6.8 309 104.5 6.8 309 104.5 6.8 319 104.5 6.8 319 104.5 6.8 314 104.5 6.8 314 104.5 6.8 314 104.5 6.8 314 104.5 6.8 314
103.5 6.7 527 2 US 103.5 6.7 527 2 US 103.5 6.7 598 2 US 103.5 6.7 598 2 US 103.5 6.7 615 2 US 103.6 7 238 2 US	103.5 6.7 407 2 US-08-753-007A-6 103.5 6.7 407 2 US-09-398-496-6 103.5 6.7 431 2 US-08-985-950-14 103.5 6.7 431 2 US-08-985-950-20 103.5 6.7 431 2 US-08-985-950-20 103.5 6.7 431 2 US-09-546-049-14 103.5 6.7 431 2 US-09-546-049-20 103.5 6.7 431 2 US-09-910-174B-10	103.5 6.7 220 2 US 103.5 6.7 242 1 US 103.5 6.7 245 2 US 103.5 6.7 245 2 US 103.5 6.7 291 2 US 103.5 6.7 315 2 US	104 6.7 253 2 US 104 6.7 253 2 US 104 6.7 253 2 US 104 6.7 473 2 US 104 6.7 1215 2 US 104 6.7 1367 2 US 103.5 6.7 210 2 US	104 6.7 253 2 US	1075 104.5 6.8 590 2 US 1076 104 6.7 243 4 PC 1077 104 6.7 244 1 US 1079 104 6.7 253 1 US 1080 104 6.7 253 1 US 1082 104 6.7 253 1 US 1083 104 6.7 253 1 US 1084 104 6.7 253 1 US	1065 104.5 6.8 356 2 US 1066 104.5 6.8 356 2 US 1067 104.5 6.8 356 2 US 1068 104.5 6.8 356 2 US 1070 104.5 6.8 364 2 US 1071 104.5 6.8 431 2 US 1072 104.5 6.8 431 2 US 1073 104.5 6.8 590 2 US 1074 104.5 6.8 590 2 US	104.5 6.8 309 2 US-09-837-86 104.5 6.8 309 2 US-09-421-41 104.5 6.8 309 2 US-09-441-41 104.5 6.8 309 2 US-09-441-41 104.5 6.8 309 2 US-09-4425-51 104.5 6.8 309 2 US-09-425-52 104.5 6.8 309 2 US-09-425-52 104.5 6.8 314 2 US-08-702-52 104.5 6.8 314 2 US-08-702-52 104.5 6.8 314 2 US-09-37-86 104.5 6.8 314 2 US-09-37-86 104.5 6.8 314 2 US-09-441-41

1866 1866 1869 1900 1911 1921 1931	8 8 8 8 8 8	1176 1176 1177 1177 1178	1170 1171 1172 1173	1166 1167 1168 1169	1162 1163 1164 1165	1157 1158 1159 1160 1161	ហេសសស	1147 1148 1149 1150	1143 1143 1144 1145 1146	1138 1139 1140 1141	1134 1135 1136 1137	1130 1131 1132 1133	1126 1127 1127 1128 1129	1123 1124 1125
1001	101	101.5	101.5 101.5 101.5	101.5 101.5 101.5	101.5 101.5 101.5	101.5 101.5 101.5 101.5	102 101.5 101.5 101.5	102 102 102	102.5 102.5 102.5 102	102.5	102.5 102.5 102.5	103 102.5 102.5 102.5	103	103
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,													6.77	n 6.7
22222222222222222222222222222222222222	253 253 253 253	245 245 246 253	478 478 478	418 470 478 478	410 410 410 410	278 297 352 410 410	278 278	267 296 498 728	711 711 711 146 267	653 653 653	284 468 468	1509 181 181 271	451 451 451 1474 1503	318
000000000000														. N N
US-09-121-952A-70 US-09-121-952A-70 US-09-35-014-70 US-09-35-014-70 US-09-35-014-70 US-09-027-449-60 US-08-804-444A-60 US-09-121-952A-60 US-09-121-952A-60 US-09-355-014-60	44A- 52A- 40A- 49-7	17-3 17-3 19A- 97A- 49-5	US-09-383-916-8 US-09-758-173-8 US-09-576-424-8 US-08-432-016-6	12-1 47-3 50-8	US-09-173-151A-27 US-09-461-908-13 US-08-441-893A-13 PCT-US91-03478-13	78-1 14A 58A 19-1 43A	US-09-949-016-6718 US-09-698-705-13 US-09-570-367C-2 US-09-915-524-2 US-09-934-634-2	35-35-35-35-35-35-35-35-35-35-35-35-35-3	US-09-485-737B-90 US-10-071-485-90 US-09-270-767-33187 US-09-485-737B-2	US-08-753-007A-2 US-09-398-496-2 US-09-520-781-10 US-09-957-187-10	58-40 62D-4 37B-6	US-09-677-046A-2 US-08-753-007A-4 US-09-398-496-4 US-08-894-922A-10	US-09-677-046A-6 US-09-677-046A-6	-09-656
Sequence 70, Appl Sequence 70, Appl Sequence 70, Appl Sequence 70, Appl Sequence 60, Appl								Sequence 2, Appli Sequence 36, Appli Sequence 2, Appli Sequence 4, Appli Sequence 2, Appli					Sequence 3, Appli Sequence 3, Appli Sequence 4, Appli Sequence 6, Appli Sequence 6, Appli	equence 2 equence 1
1259 1260 1261 1262 1263 1264 1265 1266 1266 1266	1253 1254 1255 1256 1257	1247 1248 1249 1250 1251 1251	1243 1244 1245 1246	1239 1240 1241 1242	1235 1236 1237 1238	1230 1231 1232 1233 1234	1225 1226 1227 1228 1228	1220 1221 1222 1223 1223	1216 1216 1217 1218 1219	1211 1212 1213 1214		1203 1204 1205 1206	1199 1200 1201 1201	1196 1197
1256 99 1260 99 1261 99 1262 99 1264 99 1265 99 1266 99 1266 99	9999 9999 9999	99999	99999		1111	11111	11111	11111			100.	1111	1111	1196 101 1197 101
	99.5 99.5 99.5 99	, , , , , , , , , , , , , , , , , , ,	99.5 99.5 56.6	100 6. 100 6. 6.	100 6. 100 6.	100 6.	100 6.	1000	1000 6.	100 6.	100.5 6. 100.5 6.	101 6. 101 6. 101 6.	101 6. 101 6.	101 6.
99 6.4 229 99 6.4 229 99 6.4 229 99 6.4 229 99 6.4 223 99 6.4 233 99 6.4 233 99 6.4 233 23 23 23 23 23 23 23 23 23 23 23 23 23 2	99.5 6.4 347 99.5 6.4 409 99.6 6.4 452 99 6.4 229	99.5 6.4 347 99.5 6.4 347 99.5 6.4 347 99.5 6.4 347 99.5 6.4 347	99.5 6.4 174 99.5 6.4 174 99.5 6.4 174 99.5 6.4 259	100 6.5 451 100 6.5 451 100 6.5 910 100 6.5 910	100 6.5 451 100 6.5 451 100 6.5 451 100 6.5 451	100 6.5 451 100 6.5 451 100 6.5 451 100 6.5 451 100 6.5 451	100 6.5 23 100 6.5 268 100 6.5 329 100 6.5 329 100 6.5 332	100 6.5 233 100 6.5 233 100 6.5 233 100 6.5 233	100 6.5 229 100 6.5 229 100 6.5 229 100 6.5 229	100 6.5 98 100 6.5 201 100 6.5 201 100 6.5 229	100.5 6.5 246 100.5 6.5 288 100.5 6.5 467 100.5 6.5 467	101 6.5 902 101 6.5 902 101 6.5 976 101 6.5 1518	101 6.5 757 101 6.5 757 101 6.5 757 101 6.5 900	101 6.5 466 101 6.5 466
	99.5 6.4 347 2 US-09 99.5 6.4 409 2 US-09 99.5 6.4 452 2 US-09 99 6.4 229 2 US-09	99.5 6.4 347 1 US-08 99.5 6.4 347 2 US-08	99.5 6.4 174 2 US-09 99.5 6.4 174 2 US-10 99.5 6.4 174 2 US-10 99.5 6.4 259 2 US-10	100 6.5 451 2 US-09 100 6.5 451 2 US-10 100 6.5 910 2 US-10 100 6.5 910 2 US-10	100 6.5 451 2 US-09 100 6.5 451 2 US-09 100 6.5 451 2 US-09 100 6.5 451 2 US-09	100 6.5 451 1 US-08 100 6.5 451 2 US-09	100 6.5 233 2 US-10 100 6.5 268 2 US-09 100 6.5 329 2 US-09 100 6.5 329 2 US-09 100 6.5 332 2 US-09	100 6.5 233 1 US-08 100 6.5 233 2 US-09	100 6.5 229 2 US-09	100 6.5 98 2 US-09 100 6.5 201 2 US-09 100 6.5 201 2 US-09 100 6.5 229 1 US-08	100.5 6.5 246 1 US-07-843-125-11 100.5 6.5 288 2 US-09-651-200-14 100.5 6.5 467 2 US-08-030-175-41 100.5 6.5 467 2 US-08-030-175-42	101 6.5 902 2 US-10 101 6.5 902 2 US-10 101 6.5 976 2 US-09 101 6.5 1518 2 US-09	101 6.5 757 2 US-08 101 6.5 757 2 US-09 101 6.5 757 2 US-09 101 6.5 900 2 US-10	101 6.5 466 1 US-08 101 6.5 466 1 US-08

10007654021	1322 1323 1324 1325 1326 1327 1328 1328	116	2010001004001	ο ό ω ό ό ι α ω ά ι α ο ό ω ό ο ο ό α ο ό α ο ό α ο ό α ο ό α ο ό α ο ό α ο ό α ο ό α ο ό α ο ό α ο ό α ο ό α	2274 2274 2274 2274 2274 2274 2274 2274
999999 666666 6779999999999999999999999	90 97.5 97.5 97.5 97.5 97				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
75 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1128 238 293 353 1241 330	239 309 451 460 513 968	44440 644440 7713 8316 8316 8316	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	44444 445 445 45 45 45 45 45 45 45 45 45
				111111111111111111111111111111111111111	
US-09-509-011-15-15-15-15-15-15-15-15-15-15-15-15-1	19-016-752 18-705-10 16-311B-11 13-958A-4 10-774-2 10-774-8 10-562A-81 12-562A-13 175-811-53	US-08-353-400-37 US-09-079-029-9 US-09-925-179-68 US-10-630-406-5 US-09-910-1748-18 US-09-620-461-18 US-09-620-461-18 US-09-751-389-6 US-09-949-016-6230	US-09-943-457-61 US-09-945-584-61 US-09-945-584-61 US-09-945-587-61 US-09-978-510-20 US-09-978-510-20 US-09-171-945-113 US-09-171-945-125	US-08-463-667A-4 US-08-463-667A-4 US-08-923-854-26 PCT-US91-0913-27 US-07-912-952-2 US-08-162-809-16 US-09-916-11628 US-09-16-11628 US-09-171-945-93 US-09-917-945-93 US-09-917-945-95 US-09-918-61	US-08-956-047-25 US-08-887-3528-14 US-08-887-3528-16 US-08-466-151-65 US-09-109-207C-14 US-09-296-005-16 US-09-296-005-16 US-09-296-005-16 US-09-296-0171-14 US-09-296-16 US-09-296-16 US-09-16-028-16 US-09-716-028-16
	equence equence tent No. equence equence equence equence equence equence	equence equence equence equence equence equence	equence	sequence 26, Appli Sequence 26, Appli Sequence 27, Appli Sequence 27, Appli Sequence 27, Appli Sequence 16, Appli Sequence 16, Appli Sequence 57, Appli Sequence 57, Appli Sequence 93, Appli Sequence 93, Appli Sequence 95, Appli Sequence 95, Appli Sequence 95, Appli Sequence 95, Appli Sequence 95, Appli Sequence 95, Appli Sequence 61, Appli Sequence 61, Appli	equence
ω ω			, , , , , , , , , , , , , , , , , , ,	1359 96 1360 96 1361 96 1362 96 1363 96 1366 96 1369 96 1372 96 1372 96	
ა დ ა 	\$\$\text{\$\tex{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\texititt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\tex{	, w w w w w w w w w w w w w w w w w w w	\$, , , , , , , , , , , , , , , , , , ,
99 55 55 56 57 57 58 58 58 58 58 58 58 58 58 58 58 58 58	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		\$		
95.5 582 96.6 6.2 582 96.6 6.2 582 96.6 6.2 582 95.5	96 6.2 250 96 6.2 250 96 6.2 261 96 6.2 261 96 6.2 266 96 6.2 266 96 6.2 266 96 6.2 266 96 6.2 266	96 6.2 155 96 6.2 155 96 6.2 155 96 6.2 155 96 6.2 155 96 6.2 155	96.5 6.2 2864 96.5 6.2 139 96 6.2 139	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	96.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5
96 6.2 582 2 US-09-671-325-334 96 6.2 582 2 US-09-68-824-334 96 6.2 582 2 US-09-68-824-334 96 6.2 582 2 US-09-651-563-334 96 6.2 582 2 US-09-651-563-334 96 6.2 582 1 US-08-684-594-2 96 6.2 583 1 US-08-684-594-2 96 6.2 583 1 US-08-684-594-2 97 6.2 583 1 US-08-684-594-2 98 6.2 583 1 US-08-684-594-2 99 6 6.2 583 1 US-08-811-757-2	96 6.2 222 US-09-893-737-10 96 6.2 250 US-10-194-975-11 96 6.2 261 2 US-09-270-767-32 96 6.2 261 2 US-09-270-767-48 96 6.2 266 5175384-11 96 6.2 495 2 US-09-948-004-18 96 6.2 582 2 US-09-702-705-33 96 6.2 582 2 US-09-614-1248-3-3 96 6.2 582 2 US-09-614-1248-3-3	96 6.2 155 1 US-08-494-577-6 96 6.2 155 1 US-08-494-577-7 96 6.2 155 1 US-08-795-868-7 96 6.2 155 1 US-08-795-868-7 96 6.2 155 2 US-09-303-069-6 96 6.2 155 2 US-09-3134-250-6 96 6.2 155 2 US-09-134-250-7 96 6.2 155 2 US-09-134-250-7	96.5 6.2 288 4 PCT-U 96.5 6.2 288 4 PCT-U 96.5 6.2 969 2 US-09 96.5 6.2 2864 2 US-08 96.5 6.2 139 1 US-08 96 6.2 139 2 US-08 96 6.2 139 2 US-08		96.5 6.2 245 2 US-08 96.5 6.2 263 1 US-08 96.5 6.2 278 2 US-09 96.5 6.2 288 1 US-08 96.5 6.2 288 1 US-08 96.5 6.2 288 1 US-08 96.5 6.2 288 2 US-08

```
US-09-249-230-2
US-09-0449-673
US-08-398-613A-56
US-08-398-613A-56
US-08-398-613A-56
US-08-398-613A-56
US-08-398-613A-56
US-09-298-449-42
US-09-27-449-42
US-09-28-4-49-42
US-09-28-4-49-42
US-09-28-4-49-42
US-09-28-4-49-42
US-09-28-4-49-42
US-09-49-522-18
US-09-79-613-290-2
US-09-79-613-30-2
US-09-79-613-30-2
US-09-79-613-30-2
US-09-79-613-30-3
US-09
                                                                                                                                                                                                                                                                                                            sequence seq
          sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
Sequence
Sequence
27, Appl

42, Appl

43, Appl

43, Appl

43, Appl

44, Appl

45, Appl

46, Appl

47, Appl

48, Appl

49, Appl

40, Appl

41, Appl

41, Appl

42, Appl

43, Appl

44, Appl

45, Appl

46, Appl

47, Appl

48, Appl

49, Appl

49, Appl

49, Appl

40, Appl

40, Appl

41, Appl

41, Appl

41, Appl

42, Appl

43, Appl

44, Appl

46, Appl

47, Appl

48, Appl

49, Appl

49, Appl

40, Appl

41, Ap
                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 1

US-09-188-930-331

Sequence 331, Application US/09188930A

Patent No. 6150502

GENERAL INFORMATION:

APPLICANT: Strachan, James D.

APPLICANT: Strachan, Lorna

APPLICANT: Onrust, Rene

APPLICANT: Murison, James Greg

TITLE OF INVENTION: Compositions Isolated From Skin Cells

TITLE OF INVENTION and Methods For Their Use

FILE REFERENCE: 11000.1011c1

CURRENT APPLICATION NUMBER: US/09/188,930A

CURRENT FILING DATE: 1998-11-09

NUMBER OF SEQ ID NOS: 348

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 331

LENGTH: 299

TYPE: DOT
RESULT 2
US-09-462-270-2
; Sequence 2, Application US/09462270
; Patent No. 6358707
; Patent No. 6358707
; GENERAL INFORMATION:
; APPLICANT: SmithKline Beecham Corporation
; APPLICANT: MUTENTION: Human F11 Antigen: A Cell Surface
                                                                                                                                                                                      ð
                                                                                                                                                                                                                                        S
                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                   밁
                                                                                                                                                                                                                      В
                                                                                                                                                                                                                                                                    밁
                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TYPE: PRT
; ORGANISM: Human
US-09-188-930-331
                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Simi
Matches 299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        181
                                                                                                                                                                                              181
                                                                                                                                                                                                                       121
                                                                                                                                                                                                                                                121
                                                                                                                                                                                                                                                                           61
                                                                                                                                                                                                                                                                                                  61
                                                                                                                                                                                                                                                                                                                                                                                            Similarity
                                                                                                                                                                                                                                                                                                                           RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIVRAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIVRAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
                                                                                                                  AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV
                                                                                                                              AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSOPSARSEGEFKQTSSFLV
                                                                                                                                                                                                                                     EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST
                                                                                                                                                                                                                                                                                       EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                                                                                                                       EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST
                                                                                                                                                                                                                                                                           EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                                                                                                                                                                                                                                                                              100.0%;
ilarity 100.0%;
Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-976-118-2
US-09-976-983-15
US-09-949-016-8370
US-08-477-460B-2
US-08-379-516-2
US-08-379-516-2
US-09-329-916-2
US-09-485-372A-2
US-08-484-681-2
US-08-484-681-2
US-08-95-2
PCT-US-93-0742-2
US-08-704-744-81
US-08-773-877B-14
                                                                                                                                                                                                                                                                                                                                                                             0;
                                                                                                                                                                                                                                                                                                                                                                              Score 1544; DB 2;
Pred. No. 8.3e-135;
Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2, Appli
8370, App
8370, Appli
2, Appli
                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                     299
                                                                                                                                                                                                                         180
                                                                                                                                                                                                                                                                           120
                                                                                                                                                                                                                                                                                                                              60
```

```
CURRENT APPLICATION NUMBER: US/09/254,465A
CURRENT FILING DATE: 1999-03-05
PRIOR APPLICATION NUMBER: PCT/US98/24855
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: US 60/066,364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: US 60/078,936
PRIOR FILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-27
PRIOR PELICATION NUMBER: US 60/078,936
PRIOR PELING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: PCT/US98/19437
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 30
SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FITTLE OF INVENTION: Receptor Involved in FILE REFERENCE: GH-70150US CURRENT APPLICATION NUMBER: US/09/462,270 CURRENT FILING DATE: 2000-01-05 PRIOR APPLICATION NUMBER: 60/052,186 PRIOR FILING DATE: 1997-07-10 NUMBER OF SEQ ID NOS: 4 SOPTWARE: PASTSEQ for Windows Version 3.0 SEQ ID NO 2 LENGTH: 299 LENGTH: 299 TYPE: PRT ORGANISM: HOMO SAPIENS US-09-462-270-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 3
US-09-254-465A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ક
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    문
                                          US-09-254-465A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            र्
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 1, Application US/09254465A Patent No. 6410708
Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Genentech, Inc.
APPLICANT: Ashkenari, Avi J.
APPLICANT: Fong, Sherman
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Napier, Mary A.
APPLICANT: Tumas, Daniel
APPLICANT: Tumas, Daniel
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
TITLE OF INVENTION: COMPOUNDS, COMPOSITIONS AND METHODS FOR THE TREATMENT
TITLE OF INVENTION: OF DISEASES CHARACTERIZED BY A33- RELATED ANTIGENS
TILE REFERENCE: P1216R1(US)
                                                       TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                       LENGTH: 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPINPKST 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; ilarity 100.0%; Conservative 0
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 1544; DB 2;
Pred. No. 8.3e-135;
0; Mismatches 0;
  Score 1544;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Involved in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Platelet Aggregation
  BB
2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      wo the park
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The loaded parts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ť
```

```
á
                                                                                                                                        밁
                                                                                                                                                                          Ś
                                                                                                                                                                                                                                                                                       밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  밁
                                                                     밁
                                                                                                   S
                                                                                                                                                                                                                  밁
                                                                                                                                                                                                                                              8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 4
US-09-312-283C-189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
APPLICANT: Watson, James D.
APPLICANT: Strachan, Lorna
APPLICANT: Sleeman, Matthew
APPLICANT: Onrust, Rene
APPLICANT: Murison, James G.
APPLICANT: Kumble, Krishanand D.
TITLE OF INVENTION: Compositions Isolated from Skin Cells
TITLE OF INVENTION: and Methods for Their Use
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQ ID NOS: 425
SOPTWARE: FRANKSEQ for Windows Version 4.0
SEQ ID NO 189
LENGTH: 299
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 189, Appl
Patent No. 6573095
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Mouse
-09-312-283C-189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILE REFERENCE: 11000.1011c2
CURRENT APPLICATION NUMBER: US/09/312,283C
CURRENT FILING DATE: 1999-05-14
                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                        121
                                                                                                                                          121 EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST 180
121 EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST 180
                                 241
                                                                       181
                                                                                                         181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            121 EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          299;
                                                                                                                                                                                                                    61 EWKFDQGDTTRLVCYNNKITASYEDRVTFLFTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                                                                                                                                                       61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               61
                                                                                                                                                                                                                                                                                                                                                                299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  61 EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGTTFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                                                                                                                                                                                       1 MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
                  AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV
                                                                                      RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
                                                                                                                                                                                                                                      EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAVLVTLILLGILVEGIWFAYSRGHEDRTKKGTSSKKVIYSQPSARSEGEFKQTSSELV 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV
                                                                       RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNFVKLSCAYSGFSSPRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Application US/09312283C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 1544; DB 2; ilarity 100.0%; Pred. No. 8.3e-135; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Pred. No. 8.3e-135; vative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                DB 2; Length
                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0
                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                   299
                                                                       240
                                                                                                                                                                                                                     120
                                                                                                                                                                                                                                                         120
                                                                                                                                                                                                                                                                                           60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          60
```

```
APPLICANT: Watson, James D.
APPLICANT: Strachan, Lorna
APPLICANT: Sleeman, Matthew
APPLICANT: Sleeman, Matthew
APPLICANT: Murison, James G.
APPLICANT: Murison, James G.
APPLICANT: Kumble, Krishanand D.
APPLICANT: Kumble, Krishanand D.
TITLE OF INVENTION: Compositions Isolated from Skin Cells
TITLE OF INVENTION: and Methods for Their Use
FILE REFERENCE: 11000.1011c2
CURRENT APPLICATION NUMBER: US/09/312,283C
CURRENT FILING DATE: 1999-05-14
NUMBER OF SEQ ID NOS: 425
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 331
LENGTH: 299
TYPE: PRT
ORGANISM: Mouse
                                                                                                                                                                                                                                                                                                                                                    RESULT 6
US-09-907-794A-119
: Sequence 119, Application US/09907794A
- <<15468
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   á
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           र्
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-312-283C-331; Sequence 331, Application US/09312283C; Patent No. 6573095
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-312-283C-331
                                                                                                                                                                        APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Benoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 100.0%; Score 1544; DB 2; Length Best Local Similarity 100.0%; Pred. No. 8.3e-135; Matches 299; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                  Patent No. 6635468
GENERAL INFORMATION:
                                        APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                    APPLICANT:
                                                                                                                                                            APPLICANT:
                    APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   121 EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     <u>ب</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
Gurney, Austin L.
Hillan, Kenneth, J.
Kljavin, Ivar J.
Mather, Jennie P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
                                                                                                                                                              Fong, buc-
Gao, Wei-Qiang
                                                                              Godowski, Paul J.
Grimaldi, Christopher
                                                                                                                                    Gerritsen, Mary E.
                                                                                                                      Goddard, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0
```

```
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 119
SEQ ID NO 119
LENGTH: 299
TYPE: PRT
ORGANISM: Homo sapiens
US-09-907-794A-119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILE REPRENCE: 10466-14

CURRENT APPLICATION NUMBER: US/09/907,794A

CURRENT FILING DATE: 2000-02-22

PRIOR APPLICATION NUMBER: US 60/143,048

PRIOR FILING DATE: 1999-07-07

PRIOR FILING DATE: 1999-07-26

PRIOR FILING DATE: 1999-07-28

PRIOR FILING DATE: 1999-07-28

PRIOR FILING DATE: 1999-07-28

PRIOR PRILING DATE: 1999-09-08

PRIOR APPLICATION NUMBER: PCT/US99/20944

PRIOR FILING DATE: 1999-09-15

PRIOR APPLICATION NUMBER: PCT/US99/21090

PRIOR FILING DATE: 1999-09-15

PRIOR APPLICATION NUMBER: PCT/US99/21547

PRIOR PILING DATE: 1999-09-15

PRIOR APPLICATION NUMBER: PCT/US99/23089

PRIOR APPLICATION NUMBER: PCT/US99/28214

PRIOR APPLICATION NUMBER: PCT/US99/28313

PRIOR APPLICATION NUMBER: PCT/US99/28564

PRIOR APPLICATION NUMBER: PCT/US99/28564

PRIOR PILING DATE: 1999-11-30

PRIOR PILING DATE: 1999-12-02

PRIOR PILING DATE: 1999-12-02

PRIOR PILING DATE: 1999-12-02

PRIOR PILING DATE: 1999-12-06

PRIOR PRIOR PILING DATE: 1999-12-06

PRIOR PRIOR PILING DATE: 1999-12-06

PRIOR PRIOR PILING DATE: 1999-12-06

PRIOR PRIOR PILING DATE: 1999-12-06

PRIOR PRIOR PILING DATE: 1999-12-06
Ś
                                                               밁
                                                                                                                    S
                                                                                                                                                                                      밁
                                                                                                                                                                                                                                      á
                                                                                                                                                                                                                                                                                                        밁
                                                                                                                                                                                                                                                                                                                                                          S
                                                                                                                                                                                                                                                                                                                                                                                                                         밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 100.0%; Score 1544; DB 2; Best Local Similarity 100.0%; Pred. No. 8.3e-135; Matches 299; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides
TITLE OF INVENTION: Acids Encoding the Same
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 1999-12-20
APPLICATION NUMBER: PCT
FILING DATE: 1999-12-20
      241
                                                                  181
                                                                                                                                                                                                                         121 EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSBQDGSPPSEYTWFKDGIVMPTNPKST
                                                                                                                       181
                                                                                                                                                                                          121
                                                                                                                                                                                                                                                                                                        H
                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPBVRIPENNPVKLSCAYSGFSSPRV
                                                               RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
   AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV 299
                                                                                                                                                                                      EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST
                                                                                                                                                                                                                                                                                                                                                                                                                                MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Roy, Margaret Ann
Stewart, Timothy A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Paoni, Nicholas F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PCT/US99/30999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       <u>.</u>.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                  240
                                                                                                                              240
                                                                                                                                                                                          180
                                                                                                                                                                                                                                                     180
                                                                                                                                                                                                                                                                                                                                                                          120
                                                                                                                                                                                                                                                                                                                 120
                                                                                                                                                                                                                                                                                                                                                                                                                                   60
```

밁

AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV 299

```
CURRENT APPLICATION NUMBER: US/09/905,125A
CURRENT FILING DATE: 2001-07-12
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-07-28
PRIOR PRILING DATE: 1999-09-08
PRIOR FILING DATE: 1999-09-08
PRIOR FILING DATE: 1999-09-08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-905-125A-119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 119, Application US/09905125A Patent No. 6664376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: 10466-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PPLICANT:
OR APPLICATION NUMBER: PCT/US99/28313
OR FILING DATE: 1999-11-30
OR APPLICATION NUMBER: PCT/US99/28564
OR APPLICATION NUMBER: PCT/US99/28565
OR APPLICATION NUMBER: PCT/US99/28565
OR FILING DATE: 1999-12-02
OR APPLICATION NUMBER: PCT/US99/30095
OR FILING DATE: 1999-12-16
OR APPLICATION NUMBER: PCT/US99/30911
OR APPLICATION NUMBER: PCT/US99/30910
OR APPLICATION NUMBER: PCT/US99/30999
                                                                                                                                                                                                                                                                                                                                                                         OR APPLICATION NUMBER: PCT/US99/20944
OR FILING DATE: 1999-09-13
OR APPLICATION NUMBER: PCT/US99/21090
OR FILING DATE: 1999-09-15
OR APPLICATION NUMBER: PCT/US99/21547
OR FILING DATE: 1999-09-15
OR FILING DATE: 1999-09-15
OR FILING DATE: 1999-09-15
OR APPLICATION NUMBER: PCT/US99/23089
OR FILING DATE: 1999-10-25
OR APPLICATION NUMBER: PCT/US99/28214
OR FILING DATE: 1999-11-29
OR FILING DATE: 1999-11-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Williams, P. Mi Wood, William,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gurney, Austin L.
Hillan, Kenneth, J.
Kljavin, Ivar J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ashkenazi, Avi
Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Stewart,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kljavin, Ivar J. Mather, Jennie P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Godowski, Paul J.
Grimaldi, Christopher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Goddard, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eaton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Desnoyers, Luc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ni, Nicholas F., Margaret Ann wart, Timothy A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sherman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hanspeter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         P. Mickey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ç
```

```
; TYPE: PRT
; ORGANISM: Homo
US-09-905-125A-119
                                                                                                                                                     밁
                                                                                                                                                                                                                                      Ś
                                                                                                                                                                                                                                                                                                                                                      Ś
                                         US-09-902-775A-119
                                                                                                                        á
                                                                                                                                                                                Ś
                                                                                                                                                                                                             용
                                                                                                                                                                                                                                                                    밁
                                                                                                                                                                                                                                                                                                á
                                                                                                                                                                                                                                                                                                                            용
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 119
LENGTH: 299
Sequence 119, Applic Patent No. 6686451 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local
                                                                                                                                                       181
                                                                                                 241
                                                                                                                                                                                   181
                                                                                                                                                                                                             121
                                                                                                                                                                                                                                         121
                                                                                                                                                                                                                                                                                                                                                                                   299;
                                                                                                                                                                                                                                                                       61
                                                                                                                                                                                                                                                                                                 61
                                                                                                                                                                                                                                                                                                                                            1 MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
                                                                                                                                                                                                                                                                                                                                                                                                  Similarity
                                                                                                                     AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV 299
                                                                                                                                                                         RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
                                                                                                                                                                                                                                        EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST
                                                                                                                                                                                                                                                                                  EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                 AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV 299
                                                                                                                                                     RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
                                                                                                                                                                                                                                                                     EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                                                                                                                                                                                                                             MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
                                                                                                                                                                                                             EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST
                          Application US/09902775A
                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                       sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                423
                                                                                                                                                                                                                                                                                                                                                                                                 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                              100.0%;
                                                                                                                                                                                                                                                                                                                                                                                   .
                                                                                                                                                                                                                                                                                                                                                                                  Score 1544;
Pred. No. 8.3
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                  8.3e-135
                                                                                                                                                                                                                                                                                                                                                                                                               B
                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                               299;
                                                                                                                                                                                                                                                                                                                                                                                   0,
                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                       240
                                                                                                                                                                                    240
                                                                                                                                                                                                               180
                                                                                                                                                                                                                                         180
                                                                                                                                                                                                                                                                       120
                                                                                                                                                                                                                                                                                                   120
                                                                                                                                                                                                                                                                                                                              6
                                                                                                                                                                                                                                                                                                                                                       60
                                                                                                                                                                                                                                                                                                                                                                                   0
```

```
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tunas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Pol
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/902,775A
CURRENT FILING DATE: 2001-07-10
                                                                                                                                                                                                                                                                                                                   APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
APPLICANT:
                                      PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR FILING DATE: 1999-07-07 PRIOR APPLICATION NUMBER: US PRIOR FILING DATE: 1999-07-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Genentech, APPLICANT: Ashkenazi, APPLICANT: Botstein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Fong, buccang
                                                                                                                                                                                                                                                                                                                                   Kljavin, Ivar J.
Mather, Jennie P.
                                                                                                                                                                                                                                                                                                                                                        Gurney, Austin L.
Hillan, Kenneth, J.
Kljavin, Ivar J.
                                                                                                                                                                                                                                                                                                                                                                                                              Godowski, Paul J.
Grimaldi, Christopher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  enentech, Inc.
Ashkenazi, Avi
Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Goddard, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Desnoyers,
                                                                                                                                                                                                                                                                                                                     James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Luc
                                                                                                                                                                                                                                                                                                                                                                                                                9
```

Polypeptides and

Nucleic

```
US-09-397-243D-3
                                                                                                                                                                                                                                                                                                              ঠ
                                                                                                                                                                                                                                                                                                                                                      밁
                                                                                                                                                                                                                                                                                                                                                                               ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                             밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     日
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-902-775A-119
GENERAL INFORMATION:
APPLICANT: Kornecki, Elizabeth
APPLICANT: Sobocka, Malgorzata B.
TITLE OF INVENTION: Human Platelet F11 Receptor
FILE REFERENCE: 011.00221
CURRENT FILING DATE: 1999-09-16
PRIOR APPLICATION NUMBER: 60/100,638
PRIOR FILING DATE: 1998-09-16
                                                                                                                                                                 Sequence 3, Application US/09397243D Patent No. 6699688
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQ ID NOS: 423 SEQ ID NO 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ICR APPLICATION NUMBER: PCT/US99/21547
ICR FILING DATE: 1999-09-15
ICR APPLICATION NUMBER: PCT/US99/23089
ICR APPLICATION NUMBER: PCT/US99/28214
ICR APPLICATION NUMBER: PCT/US99/28214
ICR APPLICATION NUMBER: PCT/US99/28313
ICR FILING DATE: 1999-11-30
ICR APPLICATION NUMBER: PCT/US99/28564
ICR APPLICATION NUMBER: PCT/US99/28565
ICR APPLICATION NUMBER: PCT/US99/28565
ICR APPLICATION NUMBER: PCT/US99/3095
ICR APPLICATION NUMBER: PCT/US99/3095
ICR APPLICATION NUMBER: PCT/US99/30911
ICR APPLICATION NUMBER: PCT/US99/30911
ICR APPLICATION NUMBER: PCT/US99/30911
ICR APPLICATION NUMBER: PCT/US99/30999
ICR APPLICATION NUMBER: PCT/US99/30999
ICR APPLICATION NUMBER: PCT/US99/30999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 1999-12-20
APPLICATION NUMBER: PCT/US00/00219
FILING DATE: 2000-01-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US 60/146,222 FILING DATE: 1999-07-28 APPLICATION NUMBER: PCT/US99/20594
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: PCT/US99/21090 FILING DATE: 1999-09-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: PCT/US99/20944 FILING DATE: 1999-09-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 1999-09-08
                                                                                                                                                                                                                                                                                                                                                      181
                                                                                                                                                                                                                                                                                                                                                                                                                             121
                                                                                                                                                                                                                                                                                241
                                                                                                                                                                                                                                                                                                   241 AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV 299
                                                                                                                                                                                                                                                                                                                                                                                          181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    299; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                \vdash
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%;
Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                           RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV 240
                                                                                                                                                                                                                                                                                                                                                                                                                           EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST
                                                                                                                                                                                                                                                                                                                                                                                                                                              EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV 60
                                                                                                                                                                                                                                                                                                                                                    RAPSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
                                                                                                                                                                                                                                                                                AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 1544; DB 2;
Pred. No. 8.3e-135;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  <u>.</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                              299
                                                                                                                                                                                                                                                                                                                                                    240
                                                                                                                                                                                                                                                                                                                                                                                                                             180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0
```

```
RESULT 10
US-09-906-700-119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           á
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-397-243D-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, Davi
APPLICANT: Desnoyers, Luc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn Ver. :
SEQ ID NO 3
LENGTH: 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Patent No. 672353
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 119,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
                                                                                                                                                                      APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
                                                                                                                                                                                                                                                      APPLICANT:
             CURRENT APPLICATION NUMBER: US/09/906,700 CURRENT FILING DATE: 2000-09-18 PRIOR APPLICATION NUMBER: PCT/US00/04414 PRIOR FILING DATE: 2000-02-22 PRIOR APPLICATION NUMBER: US 60/143,048 PRIOR FILING DATE: 1999-07-07
                                                                                                                APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides
TITLE OF INVENTION: Acids Encoding the Same
                                                                                                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                                    APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                         FILE REFERENCE: 10466-14
                                                                                                                                                                                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Homo mapiens
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     121 EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEBGGNSYG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV
                                                                                                                                                                                                                                                                   Gurney, Austin L.
Hillan, Kenneth, J.
Kljavin, Ivar J.
Mather, Jennie P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMBAVERNVGVIV
                                                                                                                                                                                                                                                                                                                                                                                                    Fong, bit-
Gao, Wei-Qiang
                                                                                                                                                                                                    Roy, Margaret Ann
Stewart, Timothy A.
                                                                                                                                                                                                                                                                                                                                                                                                                                             Eaton, Dan L.
Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                  Godowski, Paul J.
Grimaldi, Christopher
                                                                                                                                                                                                                                                                                                                                                                   Goddard, A.
                                                                                                                                                                                                                                                                                                                                                                                Gerritsen, Mary E
                                                                                                                                                                                                                                                                                                                                                                                                  Gerber, Hanspeter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ashkenazi, Avi
Botstein, David
                                                                                                                                                                                                                                   Paoni, Nicholas F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Desnoyers, Luc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Application US/09906700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%;
ilarity 100.0%;
Conservative 0
                                                                                                                                                                                                                                                      James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2.1
US 60/145,698
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 1544; DB 2;
Pred. No. 8.3e-135;
                                                                                                                                                                                                                                                                                                                                   ٦.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                          and Nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 60
```

FILING DATE: 1999-07-26
APPLICATION NUMBER: US 60/146,222
FILING DATE: 1999-07-28
APPLICATION NUMBER: PCT/US99/20594

```
PRIOR AFFILING DATE: 1999-09-08

PRIOR APPLICATION NUMBER: PCT/US99/20944

PRIOR FILING DATE: 1999-09-13

PRIOR APPLICATION NUMBER: PCT/US99/21090

PRIOR APPLICATION NUMBER: PCT/US99/21547

PRIOR APPLICATION NUMBER: PCT/US99/21547

PRIOR APPLICATION NUMBER: PCT/US99/23089

PRIOR APPLICATION NUMBER: PCT/US99/23089

PRIOR APPLICATION NUMBER: PCT/US99/28214

PRIOR APPLICATION NUMBER: PCT/US99/28214

PRIOR APPLICATION NUMBER: PCT/US99/28313

PRIOR APPLICATION NUMBER: PCT/US99/28313

PRIOR APPLICATION NUMBER: PCT/US99/28564

PRIOR APPLICATION NUMBER: PCT/US99/28565

PRIOR APPLICATION NUMBER: PCT/US99/30095

PRIOR APPLICATION NUMBER: PCT/US99/30095

PRIOR APPLICATION NUMBER: PCT/US99/30991

PRIOR APPLICATION NUMBER: PCT/US99/30991

PRIOR APPLICATION NUMBER: PCT/US99/30999

PRIOR PILING DATE: 1999-12-20

PRIOR PILING DATE: 2000-01-05

NUMBER OF SEQ ID NOS: 423

SEQ ID NOS: 423

TYVE: DET
                                                                                                                                                                                                                                                          RESULT 11
US-09-903-603A-119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            占
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        र्
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TYPE: PRT ; ORGANISM: Homo sapiens US-09-906-700-119
APPLICANT: Genentech, I
APPLICANT: Ashkenazi,
APPLICANT: Botatein, I
APPLICANT: Desnoyers,
APPLICANT: Eatcon, Dan
APPLICANT: Ferrara, Na
APPLICANT: Filvaroff,
                                                                                                                                                                              Sequence 119, Application US/09903603A Patent No. 6767995
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 100.0%; Score 1544; DB 2; Best Local Similarity 100.0%; Pred. No. 8.3e-135; Matches 299; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                               241 AAVLYTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            181 RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 121 EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             181 RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   61 EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 MGTKAQVERKLICLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
                                                                    Ashkenazi, Avi
Botstein, David
Desnoyers, Luc
                                                                                                                                                                                                                                                                                                                                                                       AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EVKVKLI VLVPPSKPTVNI PSSATIGNRAVLTCSEQDGSPPSEYTWFKDGI VMPTNPKST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
Ferrara, Napoleone
Filvaroff, Ellen
                                                 Eaton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0
```

& 유 &

61

60

EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG 120

```
APPLICANT: Stewart, Timothy A.
APPLICANT: Williams, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: GNE.161892C12
CURRENT APPLICATION NUMBER: US/09/903,603A
CURRENT FILING DATE: 2001-07-11
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR APPLICATION NUMBER: US 60/145,698
                                                                                 ; TYPE: PRT ; ORGANISM: Homo sapiens US-09-903-603A-119
                                                                                                                                            PRIOR APPLICATION NU
PRIOR FILING DATE: 1
PRIOR APPLICATION NU
PRIOR FILING DATE: 2
NUMBER OF SEQ ID NOS
SEQ ID NO 119
LENGTH: 299
Query Match
Best Local Similarity
Matches 299; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
                                                                                                                                                                                                                                APPLICATION NUMBER: PCT/US99/30999
FILING DATE: 1999-12-20
APPLICATION NUMBER: PCT/US00/00219
                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 1999-10-05
APPLICATION NUMBER: PCT/US99/28214
FILING DATE: 1999-11-29
APPLICATION NUMBER: PCT/US99/28313
FILING DATE: 1999-11-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 1999-09-13
APPLICATION NUMBER: PCT/US99/21090
FILING DATE: 1999-09-15
                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: PCT/US99/30095 FILING DATE: 1999-12-16
                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: PCT/US99/28564
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: PCT/US99/21547
FILING DATE: 1999-09-15
APPLICATION NUMBER: PCT/US99/23089
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: PCT/US99/20944
                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: PCT/US99/30911
FILING DATE: 1999-12-20
                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 1999-12-02
                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 1999-12-02
APPLICATION NUMBER: PCT/US99/28565
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Fong, bull gao, Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kljavin, Ivar J.
Mather, Jennie P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gurney, Austin L.
Hillan, Kenneth, J.
Kljavin, Ivar J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Godowski, Paul J.
Grimaldi, Christopher J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Goddard, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gerber, Hanspeter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Paoni,
    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Margaret Ann
art, Timothy A.
                                                                                                                                                                                           NOS:
                                                                                                                                                                                                          2000-01-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Nicholas F.
                   100.0%;
    <u>.</u>
  Score 1544; DB 2;
Pred. No. 8.3e-135;
0; Mismatches 0;
                                        Length
    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           and
    0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Nucleic
    Gaps
      0
```

S 밁 ঠ 밁 ঠ

```
APPLICANT: William, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/904,920A
CURRENT FILING DATE: 2001-07-13
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR FILING DATE: 1999-09-09
PRIOR APPLICATION NUMBER: PCT/US99/2094
PRIOR APPLICATION NUMBER: PCT/US99/2094
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR APPLICATION NUMBER: PCT/US99/23089
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 12
US-09-904-920A-119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Genentech,
APPLICANT: Ashkenazi,
APPLICANT: Botstein, I
APPLICANT: Desnoyers,
APPLICANT: Eaton, Dan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 119,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                     APPLICATION NUMBER: PCT/US99/28214 FILING DATE: 1999-11-29 APPLICATION NUMBER: PCT/US99/28313
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       68063
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Godowski, Paul J.
Grimaldi, Christopher J
Gurney, Austin L.
Hillan, Kenneth, J.
Kljavin, Ivar J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Fong,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Roy, Margaret Ann
Stewart, Timothy A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Filvaroff,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ashkenazi, Avi
Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kljavin, Ivar J.
Mather, Jennie P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Goddard, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gerritsen,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gerber, Hanspeter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eaton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Desnoyers,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Application US/09904920A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Wei-Qiang
                : 1999-11-29
NUMBER: PCT/US99/28313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sherman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Nicholas F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Napoleone
f, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Luc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR PPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR PLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR PPLICATION NUMBER: PCT/US00/00219
PRIOR PPLICATION NUMBER: PCT/US00/00219
PRIOR PLICATION NUMBER: PCT/US00/00219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-904-920A-119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 13
US-09-909-064-119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             á
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFO
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 119, Application US/09909064 Patent No. 6818449
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches 299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
APPLICANT:
APPLICANT:
                                          APPLICANT:
                                                                                    APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                                                                                                   APPLICANT:
                                                                                                                                                                                                                                                                                                               APPLICANT:
                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                APPLICANT
                                                                                                                                                          APPLICANT
PPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: PCT/US99/28564
FILING DATE: 1999-12-02
APPLICATION NUMBER: PCT/US99/28565
FILING DATE: 1999-12-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      61 EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 MGTXAQVERKL1CLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST 180
                                                                                                                              Gurney, Austin L.
Hillan, Kenneth, J.
Kljavin, Ivar J.
Mather, Jennie P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Genentech,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPWTSNAVRMEAVERNVGVIV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST
                                Roy, Margaret Ann
Crewart, Timothy A.
                     Stewart, Timo
Tumas, Daniel
                                                                                                             Pan,
                                                                                                                                                                                                                    Godowski, Paul J.
Grimaldi, Christopher J.
                                                                                                                                                                                                                                                                                        Gerber, Hanspeter
Gerritsen, Mary E
                                                                                                                                                                                                                                                                                                                                                                            Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                          Desnoyers, Luc
Eaton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ashkenazi, Avi
Botstein, David
Williams,
                                                                                      Paoni,
                                                                                                                                                                                                                                                                   Goddard
                                                                                                                                                                                                                                                                                                                                                         Fong,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                      James
                                                                                                                                                                                                                                                                                                                                      Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                           Sherman
                                                                                        Nicholas F.
                                                                                                                                                                                                                                                                     .
P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 1544; DB 2;
100.0%; Pred. No. 8.3e-135;
P. Mickey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
```

299

240

180

60

```
밁
                                                                                                                                  ঠ
                                                                                                                                                                                       밁
                                                                                                                                                                                                                                  र्
                                                                                                                                                                                                                                                                                         밁
                                                                                                                                                                                                                                                                                                                            ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; LENGTH: 299
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-909-064-119
                                                                                                                                                                                                                                                                                                                                                                                      뭐
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR FILING DATE: 1999-07-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQ ID NOS: 423
SEQ ID NO 119
LENGTH: 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches 299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 100.0%; Score 1544; DB 2; Best Local Similarity 100.0%; Pred. No. 8.3e-135;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR TILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR FILING DATE: 1999-11-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR FILING DATE: 1999-09-08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/09/909,064
CURRENT FILING DATE: 2001-07-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILE REFERENCE: 10466-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 1999-09-15
APPLICATION NUMBER: PCT/US99/23089
FILING DATE: 1999-10-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 1999-12-02
APPLICATION NUMBER: PCT/US99/30095
FILING DATE: 1999-12-16
APPLICATION NUMBER: PCT/US99/30911
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: PCT/US99/28565
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: PCT/US99/28564 FILING DATE: 1999-12-02
241
                                                                                                                                          181
                                                                                                                                                                                          121 EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST
                                                                                                                                                                                                                          121 EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST
                                                                                                                                                                                                                                                                                            13
                                                                                                                                                                                                                                                                                                                                      61 EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                                                                                                                                                                                                                                                                                         ш
                                                                                                                                                                                                                                                                                                                                                                                                                                      1 MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
                              AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV 299
                                                                                                                           RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV 299
                                                                                             RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
                                                                                                                                                                                                                                                                                         EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                                                                                                                                                                                                                                                                                         MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1999-12-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                          240
                                                                                                                                                                                          180
                                                                                                                                                                                                                                         180
                                                                                                                                                                                                                                                                                                                                         120
                                                                                                                                                                                                                                                                                                                                                                                                                                         6
                                                                                             240
                                                                                                                                                                                                                                                                                         120
                                                                                                                                                                                                                                                                                                                                                                                         60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0
```

RESULT 14

ORGANISM: Homo sapiens

```
US-09-905-381A-119
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 119
LENGTH: 299
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 119, Application US/09905381A Patent No. 6818746 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR FILING DATE: 1999-09-15
PRIOR FILING DATE: 1999-09-15
PRIOR FILING DATE: 1999-09-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: 10466-14 CURRENT APPLICATION NUMBER: US/09/905,381A CURRENT FILING DATE: 2001-07-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Genentech,
APPLICANT: Ashkenazi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PPLICANT:
                                                                                                                                                                                                                                                       APPLICATION NUMBER: PCT/US99/28313
FILING DATE: 1999-11-30
APPLICATION NUMBER: PCT/US99/28564
FILING DATE: 1999-12-02
APPLICATION NUMBER: PCT/US99/28565
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 1999-09-08
APPLICATION NUMBER: PCT/US99/20944
FILING DATE: 1999-09-13
                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: PCT/US99/28214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: PCT/US99/21090
                                                                                                                                        FILING DATE: 1999-12-16
APPLICATION NUMBER: PCT/US99/30911
FILING DATE: 1999-12-20
APPLICATION NUMBER: PCT/US99/30999
                                                                                                                                                                                                                       APPLICATION NUMBER: PCT/US99/30095
                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: PCT/US99/23089 FILING DATE: 1999-10-05
                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 1999-11-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Fong, J...Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gurney, Austin L.
Hillan, Kenneth, J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Williams, P. Mickey Wood, William, I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Roy, Margaret Ann
Stewart, Timothy A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Paoni, Nicholas F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kljavin, Ivar J.
Mather, Jennie P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Godowski, Paul J.
Grimaldi, Christopher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Goddard, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gerber, Hanspeter
Gerritsen, Mary E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Desnoyers, Luc
Eaton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ashkenazi, Avi
Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ħ
```

```
APPLICANT: Tumas, Daniel

APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/906,618
CURRENT FILING DATE: 2001-07-16
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR TILING DATE: 1090-07-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-906-618-119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          र्
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-905-381A-119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT
APPLICANT
APPLICANT
APPLICANT
APPLICANT
APPLICANT
APPLICANT
APPLICANT
APPLICANT
APPLICANT
APPLICANT
APPLICANT
APPLICANT
APPLICANT
APPLICANT
APPLICANT
APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 119,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches 299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Genentech, Inc.
APPLICATION NUMBER: PCT/US99/20944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                121 EVKVKLIVLVÞÞSKÞTVNIÞSSATIGNRAVLTCSEQDGSÞÞSEYTWFKDGIVMÞTNÞKST 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 MGTKAQVERKLICLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19, Application US/09906618 6828146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAVLVTLILLGILVEGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Fong, but Qiang
                                                                                                                                                                                                                                                                                                                                                                                   Paoni, Nicholas F.
Roy, Margaret Ann
Stewart, Timothy A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eaton, Dan L.
Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ashkenazi, Avi
Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gurney, Austin L.
Hillan, Kenneth, J.
Kljavin, Ivar J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Godowski, Paul J.
Grimaldi, Christopher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kljavin, Ivar J.
Mather, Jennie P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Desnoyers, Luc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ,
A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 1544; DB 2;
Pred. No. 8.3e-135;
Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ٦
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 299;
                                                                                                                                                                                                                                                                                                           and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0
                                                                                                                                                                                                                                                                                                           Nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         120
```

```
Search completed: May
Job time : 61 secs
                                                                                                           S
                                                                                                                                                 밁
                                                                                                                                                                                    Ś
                                                                                                                                                                                                                            밁
                                                                                                                                                                                                                                                         ð
                                                                                                                                                                                                                                                                                                 뭉
                                                                                                                                                                                                                                                                                                                                    გ
                                                                                                                                                                                                                                                                                                                                                                         밁
                                                                                                                                                                                                                                                                                                                                                                                                           Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-906-618-119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR FILING DATE: 2000-01-05
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 119
LENGTH: 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity Matches 299; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
PRIOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 1999-09-13
APPLICATION NUMBER: PCT/US99/21090
FILING DATE: 1999-09-15
APPLICATION NUMBER: PCT/US99/21547
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: PCT/US99/28214
FILING DATE: 1999-11-29
APPLICATION NUMBER: PCT/US99/28313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: PCT/US99/23089
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 1999-11-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 1999-10-05
                                                                            241
                                                                                                             241
                                                                                                                                                   181
                                                                                                                                                                                        181
                                                                                                                                                                                                                              121
                                                                                                                                                                                                                                                       121 EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKST 180
                                                                                                                                                                                                                                                                                                   61
                                                                                                                                                                                                                                                                                                                                        61
                                                                                                                                                                                                                                                                                                                                                                                                1 MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRV
                                                                                                                                                                                                                                                                                                                         EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG 120
                                                                                                AAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV
                                                                                                                                                                                RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV 240
                                                                                                                                                                                                                                                                                                                                                                          HOTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSRV
                                                                          AAVLVTLILLGILVEGIWFAYSRGHFDRTKKGTSSKKVIYSQPSARSEGEFKQTSSFLV
                                                                                                                                                   RAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPMTSNAVRMEAVERNVGVIV
                                                                                                                                                                                                                            EVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSBYTWFKDGIVMPTNPKST
                                                                                                                                                                                                                                                                                                   EWKFDQGDTTRLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYG
                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; ilarity 100.0%; Conservative 0
                     16,
                       07:02:32
                                                                                                                                                                                                                                                                                                                                                                                                                                                   ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 1544; DB 2;
Pred. No. 8.3e-135;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                              299
                                                                                                               299
                                                                                                                                                                                                                                                                                                       120
                                                                                                                                                   240
                                                                                                                                                                                                                              180
                                                                                                                                                                                                                                                                                                                                                                              60
                                                                                                                                                                                                                                                                                                                                                                                                                 60
```

THIS PAGE BLANK (USPTO)

```
Minimum
Maximum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Result
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Run
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Total number
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Database
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Post-processing:
      55555443322222277722
555522443322222227722254
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       protein -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB seq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
     of hits satisfying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein search, using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              length:
     100.0
100.0
100.0
100.0
100.0
100.0
100.0
100.0
100.0
100.0
100.0
100.0
100.0
100.0
100.0
100.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query
Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Published Applications AA_Main:*

1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-785-433-1
1544
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                May 16, 2006, 07:07:56 ; Search time 166 Seconds (without alignments) 752.596 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1867569 seqs, 417829326
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BLOSUM62
Gapop 10.0 ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Minimum Match 0%
Maximum Match 100%
Listing first 1500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MGTKAQVERKLLCLFILAIL.....
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Copyright
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2000000000
      GenCore version 5.1.8 (c) 1993 - 2006 Biocceleration
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gapext
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             B
                   US-09-799-777-51
US-09-953-4991
US-09-953-4991
US-09-866-050A-331
US-09-866-050A-331
US-09-833-245-1301
US-09-833-245-1301
US-10-223-084-54
US-10-223-084-54
US-10-223-080-54
US-10-223-080-54
US-10-223-080-54
US-10-223-080-54
US-10-223-081-54
US-10-223-081-54
US-10-223-081-54
US-10-223-081-54
US-10-223-081-54
US-10-223-081-54
US-10-223-081-54
US-10-223-081-54
US-10-223-081-54
US-10-299-937-119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   chosen parameters:
   $\(\text{S}\) = 866 - 050A - 189
$\(\text{S}\) = 09 - 866 - 050A - 331
$\(\text{S}\) = 09 - 833 - 245 - 1300
$\(\text{S}\) = 09 - 833 - 245 - 1300
$\(\text{S}\) = 0066 - 269 - 91
$\(\text{S}\) = 10 - 223 - 084 - 54
$\(\text{S}\) = 10 - 223 - 084 - 54
$\(\text{S}\) = 10 - 223 - 084 - 54
$\(\text{S}\) = 10 - 223 - 089 - 54
$\(\text{S}\) = 10 - 223 - 083 - 54
$\(\text{S}\) = 10 - 223 - 083 - 54
$\(\text{S}\) = 10 - 223 - 083 - 54
$\(\text{S}\) = 10 - 223 - 083 - 54
$\(\text{S}\) = 10 - 223 - 083 - 54
$\(\text{S}\) = 10 - 223 - 083 - 54
$\(\text{S}\) = 10 - 223 - 083 - 54
$\(\text{S}\) = 10 - 223 - 083 - 54
$\(\text{S}\) = 10 - 223 - 083 - 54
$\(\text{S}\) = 10 - 233 - 081 - 54
$\(\text{S}\) = 10 - 233 - 082 - 54
$\(\text{S}\) = 10 - 233 - 082 - 54
$\(\text{S}\) = 10 - 233 - 119
$\(\text{S}\) = 10 - 234 - 923 - 119
$\(\text{S}\) = 10 - 291 - 265 - 275
$\(\text{S}\) = 10 - 291 - 265 - 747
$\(\text{S}\) = 10 - 244 - 656 - 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ₩
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .YSQPSARSEGEFKQTSSFLV
Sequence 51, Appl Sequence 119, App Sequence 189, App Sequence 1300, Ap Sequence 1301, App Sequence 1301, Appl Sequence 54, Appl Sequence 1, Appli Sequence 119, Appl Sequence 54, Appl Se
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ltd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     299
     1097
1073.5
11073.5
11073.5
11073.5
11073.5
11073.5
11073.5
11073.5
11073.5
11073.5
525
525
525
525
525
525
431
431
431
431
                                                                                                                                                                                                                                                                                                                                                                                                                         15444
15544
15544
15544
15544
15544
15544
15544
15544
15544
15544
15544
15544
15544
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
1554
15
     US-10-448-713-119
US-10-264-273-7266
US-10-264-273-7266
US-10-261-371-119
US-10-215-371-119
US-10-215-371-119
US-10-215-371-119
US-10-785-220-1
US-10-785-231-1
US-10-785-351-3
US-10-785-351-4
US-10-785-351-3
US-10-785-351-
                    sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
   119, App
119, App
119, App
119, App
119, App
119, App
119, App
119, App
119, App
119, App
119, App
119, App
119, App
119, App
119, App
119, App
119, App
119, App
119, App
119, App
119, App
119, App
119, App
119, App
119, App
125, App
136, App
1376, App
1376, App
1376, App
1376, App
1376, App
1376, App
1377, App
1378, App
137
```

1208 404 1209 404	205 40	204 41	203 42	202 42	201 42	200 42	100 42	198 42	197 43	100	105 42	104 42	75.	181	180 42	179 42	178 42	177 42	176 42	174 43	177 42	162 42	159 42	158 42	157 42	155 42	154 42	153 42	152 42	150 42	025	022 42	007 42	93 42	63 42	61 42	60 42	59	24.	29 42	28 42	27 42	09 42	02	01 44	31	28	27 42	26 42	
26. 26. 2	.0	٠,	.7	.7	.7		٠:	٦:	٦:	٦:	٠:	١.	١:	٠.	۲.	.7	7.	7		٦:	٠: ١	.7	7.	.7	":	٦.	۰. ۲	7.	.7	":	٠. ·	.7	.7 :	۷.	٦.	7.	.7	":	٦:	٠.	7.	7.	.7 :		٦.	. . 7	٠.٦	.7	:	3
312 312	76		39	39	29	5 6	5 6	5 5	5 6	5 6	5 5	5 6	5 6	5 6	5	10	10	10	10	5 6	5 6	0	10	10	100	5 6	0	0	10	0 0	5 6		10	5 6	10	10	10	5 6	5 6	0 0	10	10	10	10	5 6	5 0	0	86	86	3
3 US-09-905-291A-64 3 US-09-953-499-9	US-10-785-351-	US-10-785-351-	US-10-878-523-	US-10-266-829-113	US-10-264-049-	US-10-970-823-	TIC-10-678-523-	119-10-878-523-	115-10-878-533-	10-10-955-953	176-10-953-46/-	10-063-467-	- 700 - 170 - 011	US-10-692-072-	US-10-798-512-	US-10-798-512-	US-10-798-512-	US-10-797-366-	US-10-215-371-	-800-553-001-20	US-10-601-953-	US-10-425-447-	US-10-448-713-	US-10-449-656-	US-10-439-249-	US-10-448-931-	US-10-266-829-	US-10-266-829-	US-10-266-829-	US-10-298-993-	-18-10-223-081-	US-10-299-937-	US-10-299-976-	115-10-265-542-	US-10-223-083-	US-10-223-087-	US-10-223-090-	US-10-223-088-	115-10-223-085-	US-10-050-704-	US-10-050-704-	US-10-050-704-	US-10-033-244-20	US-09-833-245-204	115-09-833-245-	US-09-905-291A-42	US-10-481-090A-3	US-10-481-090A	US-10-951-993-	
ence 64 ence 9,	equence 11	equence 9	equence 11	equence 11	equence 30	equence 42	equence 90	education of	education pa	ts education	ednemce 47	equence 33	ca souranta	equence 20	equence 16	equence 16	equence 10	equence 42	equence 42	equence 31	equence 26	equence 42	equence 42	equence 42	equence 20	equence 26	equence 91	equence 90	equence 65	equence 42	equence 26	equence 42	equence 42	equence 31	equence 26	equence 16	equence 16	equence 10	equence 20	equence 20	equence 20	equence 42	equence 3,	equence 2	equence 7					
Appli Appli																																																		

Job time : 190 secs

US-11-290-153-336

```
Minimum
Maximum
                                                                                                                                                                                                                                                                                                                                                                                                     Result
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1500 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Total number
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
       Published Applications AA New:*

1: /SIDSS/ptodata/2/pubpas/USO8 NEW_PUB.pep:*

2: /SIDSS/ptodata/2/pubpas/USO8 NEW_PUB.pep:*

3: /SIDSS/ptodata/2/pubpas/USO7 NEW_PUB.pep:*

4: /SIDSS/ptodata/2/pubpas/USO8 NEW_PUB.pep:*

5: /SIDSS/ptodata/2/pubpas/PCT NEW PUB.pep:*

6: /SIDSS/ptodata/2/pubpas/PCT NEW PUB.pep:*

7: /SIDSS/ptodata/2/pubpas/USO9 NEW_PUB.pep:*

8: /SIDSS/ptodata/2/pubpas/USO9 NEW_PUB.pep:*

9: /SIDSS/ptodata/2/pubpas/USO1 NEW_PUB.pep:*

10: /SIDSS/ptodata/2/pubpas/USI1 NEW_PUB.pep:*

11: /SIDSS/ptodata/2/pubpaa/USI1_NEW_PUB.pep:*

12: /SIDSS/ptodata/2/pubpaa/USI1_NEW_PUB.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              I length:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-785-433-1
1544
         100.0
100.0
100.0
100.0
100.0
100.0
100.0
100.0
100.0
100.0
100.0
100.0
100.0
100.0
100.0
100.0
100.0
100.0
100.0
100.0
100.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                May 16, 2006, 07:12:26 ; Search time 115 Seconds (without alignments)
122.067 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         250354 seqs, 46948837
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gapop 10.0 ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BLOSUM62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MGTKAQVERKLLCLFILAIL.....YSQPSARSEGEFKQTSSFLV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Copyright
                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2000000000
         299
299
299
299
299
2299
2299
2299
3100
3110
3110
3110
3110
3110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GenCore version 5.1.8 (c) 1993 - 2006 Biocceleration
                                                                                                                                                                                                                                                                                                                                                                                                         BB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gapext 0
                  US-10-973-115B-366
US-11-000-463-775
US-11-000-463-748
US-11-000-463-748
US-11-200-133-76
US-11-264-096-1300
US-11-264-096-1300
US-11-264-096-1301
US-11-264-096-1301
US-11-025-834A-21
US-10-536-366-1
US-11-025-834A-15
US-11-025-834A-15
US-11-264-096-2045
1 US-11-264-096-2046
1 US-11-264-096-2047
US-10-536-36-3
US-11-264-366-3
US-11-264-366-3047
US-10-536-36-3
US-11-264-366-3047
US-10-536-36-3
         US-10-973-115B-336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           residues
Sequence 366, App
Sequence 777, App
Sequence 747, App
Sequence 748, App
Sequence 366, App
Sequence 1300, Ap
Sequence 276, Appl
Sequence 276, Appl
Sequence 27, Appl
Sequence 21, Appl
Sequence 538, Appl
Sequence 538, Appl
Sequence 2045, Ap
Sequence 2045, Ap
Sequence 2045, Ap
Sequence 2047, Ap
Sequence 2047, Ap
Sequence 31, Appl
Sequence 11, Appl
Sequence 13, Appl
Sequence 13, Appl
Sequence 13, Appl
                                                                                                                                                                                                                                                                                                                                                                                                     Description
         404
391
396
396
326.25
2214.5
2207.5
2207.5
2207.5
207.5
1178.5
1178.5
1178.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.5
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1177.6
1
         \begin{array}{c} 3.21\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\ 2.22\\
   US-10-536-366-2
US-11-025-834A-16
US-11-025-834A-16
US-11-0536-366-5
US-10-536-366-5
US-10-536-366-5
US-10-536-366-5
US-10-536-366-5
US-10-536-366-5
US-10-653-372-1004
US-10-655-695-20
US-10-653-372-1090
US-10-653-372-1086
US-11-050-691-336
US-11-050-691-366
US-10-653-372-1086
US-10-653-372-1086
US-10-653-372-1086
US-10-653-372-1086
US-10-653-372-1086
US-10-653-372-1086
US-10-653-372-692
US-10-653-372-693
US-10-653-372-693
US-10-653-372-693
US-10-653-372-693
US-10-653-372-693
US-10-653-372-736
 Sequence 336, App
Sequence 1, Appli
Sequence 1, Appli
Sequence 1002, Appli
Sequence 1004, Ap
Sequence 1004, Ap
Sequence 1004, Ap
Sequence 1004, Ap
Sequence 1148, Appli
Sequence 148, Appli
Sequence 388, App
Sequence 388, App
Sequence 3109, Ap
Sequence 1000, Ap
Sequence 864, Appli
Sequence 864, App
Sequence 864, App
Sequence 864, App
Sequence 861, App
Sequence 861, App
Sequence 692, App
Sequence 693, App
Sequence 694, App
Sequence 696, App
Sequence 697, App
Sequence 698, App
Sequence 698, App
Sequence 699, App
Sequence 691, App
Sequence 691, App
Sequence 691, App
Sequence 692, App
Sequence 693, App
Sequence 694, App
Sequence 696, App
Sequence 712, App
Sequence 712, App
Sequence 713, App
Sequence 714, App
Sequence 716, App
Sequence 716, App
Sequence 717, App
Sequence 718, App
Sequence 710, App
Sequence 710, App
Sequence 352, App
Sequence 750, App
```

2221 2221 2221 2223 2224 2226 2226	215	2002	0, U & W	.0 - 0 4				10 W 4.	- 200	8 7 6	0 0 0 U 4 U	555	5 9 8	5 6 0	υ οι ω 4. ι	521	4 4 T	46	44	
149 149 149 149 148.5 148.5 148.5 146	. 4 4 4 4	150 150	150 150 150	150 150	150.5	151.5	215	156.5 153 153	160 157.5 157	160.5 160.5	000	122	งผม	164.5 163	165	165	167.		67.	0.00
								9.9		10.4		10.5		10.7		10.7				10.9
739 3588 4346 4347 4390 1315 1335 702 758	526 739	702 702 719 719	702 702 702	5508 5698	324 1649	324 582	1338 1338	1338	977 734 344	766 2630 7968	548 48	1700	1700 1700	1694 473	3 4 4 4 4 4	344	344	1910	77	2828 2828 662 317
111 9 9 9 111	: 911	° 1111	11118	111	91	°	1119	000	1911	1119	φφφ	11 9	o o o	911	:::	##	:::	11.9	11	11 911
US-11-107-028-6 US-10-995-561-672 US-10-995-561-670 US-11-169-041-169 US-10-453-372-1034 US-10-453-372-1030 US-10-453-372-1030 US-10-538-066-754 US-10-538-066-754 US-10-510-101-68 1 US-11-288-493-64	US-11-290-153-378 US-10-505-928-160 US-11-080-991-32 US-11-080-991-32	US-11-051-720-1451 US-11-097-252A-2 US-11-050-857-551 US-11-051-720-1381 US-11-051-720-1381	US-10-538-066-363 US-11-033-039-282 US-11-097-224B-2 US-11-050-857-549	US-11-093-274-41 US-11-050-857-552 US-11-051-720-1382	US-11-050-857-57 US-10-995-561-974	US-11-051-724-94 US-11-051-724-94	US-10-821-234-1622 US-11-109-156-23 US-11-075-047A-2 US-11-060-867-60	US-10-453-372-764 US-10-505-928-634 US-10-505-928-857	US-11-093-274-39 US-11-093-274-40 US-10-973-115B-376 US-11-290-153-376	US-10-453-372-752 US-11-186-731-2 US-11-186-731-5	US-10-453-372-756 US-10-453-372-754 US-10-453-372-768	US-10-453-372-418 US-11-134-587B-13	US-10-453-372-398 US-10-453-372-412 US-10-453-372-414	US-11-135-855-36 US-10-453-372-684	US-11-050-857-56 US-11-050-857-959	US-11-077-386-16 US-11-097-2248-4	US-11-134-5878-3 US-11-080-991-4 IIS-11-186-284-20	US-10-453-372-416 US-11-134-587B-2	US-10-453-372-696 US-11-134-587B-12	US-11-080-991-54 US-11-186-284-49 US-10-493-909-80 US-11-072-512-3036
Sequence 6, Appl Sequence 671, App Sequence 670, App Sequence 169, App Sequence 1034, Ap Sequence 1030, Ap Sequence 754, App Sequence 68, Appl Sequence 68, Appl Sequence 1, Appli Sequence 64, Appl	Sequence 378, App Sequence 160, App Sequence 12, Appl Sequence 69, Appl Sequence 69, Appl	sequence 1451, Ap Sequence 2, Appli Sequence 551, App Sequence 1381, Ap	Sequence 363, App Sequence 282, App Sequence 2, Appli Sequence 549, App	Sequence Sequence Sequence	Sequence 57, Appl Sequence 974, App Sequence 7, Appli	Sequence 15, Appl Sequence 94, Appl Sequence 1155. Ap	Sequence 1622, Ap Sequence 23, Appl Sequence 2, Appli	Sequence 764, App Sequence 634, App Sequence 857, App	Sequence 39, Appl Sequence 376, Appl Sequence 376, App	Sequence 752, App Sequence 2, Appli Sequence 5, Appli	Sequence 754, App Sequence 758, App Sequence 768, App	Sequence 418, App Sequence 13, Appl	Sequence 398, App Sequence 412, App Sequence 414, App	Sequence 36, Appl Sequence 684, App	Sequence 56, Appl Sequence 959, App	Sequence 16, Appl Sequence 4, Appli	ססס	quence	equence (Sequence	Sequence 54, Appl Sequence 49, Appl Sequence 80, Appl Sequence 3036, Ap
302 302 303 306 307 314 315					273 274 275	270 271 271 272			260 260 262	256 257 258	2554			246 1 247	244	241 1 242 1	239	236	234	230 1 231 1 232 232 233
	133.			136	13	13	140 140			256 141 257 141 258 141	254 141 255 141	141. 14	141. 141.	142.	114		143.	143.	143. 143.	144. 144. 14
	13335	133.5 8. 133.5 8.	136.5 135.5 135.5 8.	136.5 136.5 8.	137.5 8. 137 8. 137 8.	140 9. 138.5 9. 138 8.	140.5 9. 140.5 9. 140 9.	141 9. 141 9.	141 9. 141 9. 141 9.	141 9. 141 9.	141 9.	141.5 9. 141 9.	141.5 9. 141.5 9.	142.5 9.	143 9.	143.5 9. 143.5 9.	143.5 9.	143.5 9.	143.5 9.	144.5 144.5 144 144
133 8.6 477 133 8.6 1193 132.5 8.6 342 132.5 8.5 1191 131.5 8.5 122 130.5 8.5 622 130.5 8.5 757 130.5 8.5 757	133.5 8.6 428 133.5 8.6 696 133.5 8.6 740 133.5 8.6 1250	134 8.7 628 133.5 8.6 398 133.5 8.6 398 133.5 8.6 426	136.5 8.8 1299 136 8.8 555 135.5 8.8 236 135.5 8.8 442	136.5 8.8 357 136.5 8.8 1180 136.5 8.8 1192	137.5 8.9 335 137 8.9 1189 137 8.9 1189	140 9.1 336 138.5 9.0 1745 138 8.9 517	140.5 9.1 345 140.5 9.1 429 140 9.1 309 140 9.1 336	141 9.1 717 141 9.1 860 141 9.1 1461	141 9.1 336 141 9.1 336 141 9.1 317	141 9:1 320 141 9:1 325 141 9:1 336	141 9.1 319	141.5 9.2 1493 141 9.1 307	142 9.2 325 141.5 9.2 531 141.5 9.2 626	142.5 9.2 289 142 9.2 325	143 9.3 315 143 9.3 325	143.5 9.3 584 143.5 9.3 584	143.5 9.3 504 143.5 9.3 504	143.5 9.3 504 143.5 9.3 504	143.5 9.3 490 143.5 9.3 490	144.5 9.4 1897 144.5 9.4 1907 144 9.3 319 144 9.3 765
133 8.6 477 1 133 8.6 1193 1 132.5 8.5 342 1 132 8.5 1191 1 132 8.5 1191 1 131.5 8.5 822 1 130.5 8.5 424 9 130.5 8.5 757 9 130.5 8.5 757 9	133.5 8.6 428 9 133.5 8.6 696 9 133.5 8.6 740 1 133.5 8.6 1250 1	134 8.7 628 1 134 8.7 628 1 133.5 8.6 398 9 133.5 8.6 398 1	136.5 8.8 1299 1 136 8.8 555 9 135.5 8.8 236 1 135.5 8.8 442 9	136.5 8.8 357 9 136.5 8.8 1180 8 136.5 8.8 1192 9	137.5 8.9 335 9 137 8.9 1189 1 137 8.9 1189 1	140 9.1 336 9 138.5 9.0 1745 1 138 8.9 517 1	140.5 9.1 349 1 140.5 9.1 429 1 140 9.1 309 9	141 9.1 717 1 141 9.1 860 1 141 9.1 1461 1	141 9.1 336 9 141 9.1 336 9 141 9.1 336 9	141 9.1 320 9 141 9.1 325 9 141 9.1 336 9	141 9.1 319 9	141.5 9.2 1493 1: 141 9.1 307 9	142 9.2 325 9 141.5 9.2 531 1 141.5 9.2 626 1	142.5 9.2 289 1: 142 9.2 325 9	143 9.3 315 9 143 9.3 325 9	143.5 9.3 584 1: 143.5 9.3 584 1:	143.5 9.3 504 1: 143.5 9.3 504 1:	143.5 9.3 504 1.	143.5 9.3 490 1: 143.5 9.3 490 1:	144.5 9.4 1897 9 144.5 9.4 1907 1: 144 9.3 319 9 144 9.3 765 1:
133 8.6 477 133 8.6 1193 132.5 8.6 342 132.5 8.5 1191 131.5 8.5 122 130.5 8.5 622 130.5 8.5 757 130.5 8.5 757	133.5 8.6 428 9 133.5 8.6 696 9 133.5 8.6 740 1 133.5 8.6 1250 1	134 8.7 628 1 134 8.7 628 1 133.5 8.6 398 9 133.5 8.6 398 1	136.5 8.8 1299 1 136 8.8 555 9 135.5 8.8 236 1 135.5 8.8 442 9	136.5 8.8 357 9 136.5 8.8 1180 8 136.5 8.8 1192 9	137.5 8.9 335 9 137 8.9 1189 1 137 8.9 1189 1	140 9.1 336 9 138.5 9.0 1745 1 138 8.9 517 1	140.5 9.1 349 1 140.5 9.1 429 1 140 9.1 309 9	141 9.1 717 1 141 9.1 860 1 141 9.1 1461 1	141 9.1 336 9 141 9.1 336 9 141 9.1 336 9	141 9.1 320 9 141 9.1 325 9 141 9.1 336 9	141 9.1 319 9	141.5 9.2 1493 1: 141 9.1 307 9	142 9.2 325 9 141.5 9.2 531 1 141.5 9.2 626 1	142.5 9.2 289 1: 142 9.2 325 9	143 9.3 315 9 143 9.3 325 9	143.5 9.3 584 1: 143.5 9.3 584 1:	143.5 9.3 504 1: 143.5 9.3 504 1:	143.5 9.3 504 1.	143.5 9.3 490 1: 143.5 9.3 490 1:	144.5 9.4 1897 9 144.5 9.4 1907 1: 144 9.3 319 9 144 9.3 765 1:

399 44404 4009 4406 5400 607	396 396 398 398	30108																					
122.5 122.5 1222.5 1222.5 1222.5 1222.5 1222.5	123.5 123.5 123.5	123.5	123.5	124	124	124.5	125.5	126 125.5 125.5	126 126	126 126 126	126.5 126.5 126	127 126.5	127.5 127 127	127.5	-1-1-	128.5	128.5	128.5	128.5	128.5	129.5	. 1	130.5
777777777																							
335 424 915 917 917 917 917 917 1150																							
TI UU			911 C	1117		11 08	SUS	Sn 6 Sn 8	80 6 80 6 11 0	111	Sn 6	111		11 U	Sn c		SO	9 00	3D 6	3D 5	. US 0	11 °C	9 08-
US-10-948-716-2 US-10-948-716-10 US-11-144-987-16 1 US-11-1205-935-16 1 US-11-144-987-20 1 US-11-205-935-18 1 US-11-205-935-18 1 US-11-205-935-10 1 US-11-205-935-10 1 US-11-205-935-10 1 US-11-205-935-10 1 US-11-205-935-10	IS-11-144-907-26 IS-11-205-935-24 IS-11-205-935-24 IS-11-205-935-2070 IS-11-266-444-2070	S-10-453-372-360 S-11-072-512-2946 S-11-144-987-22 S-11-205-935-22	7S-11-266-444-1785 7S-11-072-512-3119 1-10-979-095-1	IS-11-051-724-52 IS-11-051-724-52 IS-11-072-175-254 IS-11-054-515-1785	73-11-000-344-14/14/14/14/14/14/14/14/14/14/14/14/14/1	S-11-054-515-1272	-10-821-234-1664 -10-948-716-7	-10-995-561-906 -10-511-937-2405 -10-821-234-1583	95-11-043-693-2 3-10-995-561-905 3-10-995-561-904	/S-11-104-110-8 /S-11-104-111-28 /S-11-075-047A-4	/S-11-266-444-1529 /S-11-094-519A-40 /-10-511-538-229	S-11-093-274-38 S-11-054-515-1529	\S-11-0/5-04/A-119 \S-11-054-515-1963 \S-11-266-444-1963	10-453-372-366 1S-11-076-427A-16	73-11-266-444-1630 18-11-266-444-1630 1-10-453-372-364	1-10-541-814-2 1-10-453-372-362	3-10-453-372-358	10-453-372-356	3-10-453-372-346	3-10-948-716-4 3-10-463-373-334	3-10-503-928-664 3-10-541-814-15	-11-186-541-2 -11-186-541-1 10-505-929-66	-453-372-3 -453-372-3
Sequence 2, Appli Sequence 10, Appl Sequence 16, Appl Sequence 16, Appl Sequence 18, Appl Sequence 20, Appl Sequence 20, Appl Sequence 20, Appli Sequence 1, Appli Sequence 1, Appli	Sequence Sequence Sequence Sequence	Sequence 360, App Sequence 2946, Ap Sequence 22, Appl Sequence 22, Appl	Sequence	Sequence 504, App Sequence 52, Appl Sequence 254, App Sequence 1785, Ap	Sequence Sequence	sequence equence	Sequence 1664, Ap Sequence 7, Appli Sequence 76 Appli	equence equence	Sequence equence	Sequence 8, Appli Sequence 28, Appli Sequence 4, Appli	Sequence 1529, Ap Sequence 40, Appl Sequence 229, App	Sequence 38, Appl Sequence 1529, Ap	Sequence 119, App Sequence 1963, Ap Sequence 1963, Ap	Sequence 16, Appl	Sequence 1630, App	equence 2,	NO	equence 35	equence 34	equence 4,	uence 15	Sequence 2, Sequence 1,	quence 328 quence 334
, הללללל	ירער מּמּ																						
473 474 475 482 483 486 486 488	469 469 470 471 472	465 465 465	459 460 460	450 450 458	2 4 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	450	447	444 445	441 442 443	438 439 440			430 431 432	428 429	426 427		421 422	420	418	416	414		
	469 469 470 471 472	465 465 465	459 460 460	450 450 458	2 4 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	450	447	444 445	441 442 443	438 439 440			430 431 432	428 429	426 427		421 422	420	418	416	414		
473 117.5 7.6 474 117.5 7.6 475 117.5 7.6 482 117.5 7.6 483 117.5 7.6 484 117.5 7.6 485 117.5 7.6 486 117.5 7.6 488 117.5 7.6	468 118 7.6 469 117.5 7.6 470 117.5 7.6 471 117.5 7.6 472 117.5 7.6	463 118 7.6 465 118 7.6 466 118 7.6	459 118.5 7.7 460 118.5 7.7 462 118 7.6	456 118.5 7.7 458 118.5 7.7 458 118.5 7.7	453 118.5 7.7 453 118.5 7.7 454 118.5 7.7	450 119 7.7 451 119 7.7 452 119 7.7	447 119.5 7.7 448 119 7.7 449 119 7.7	444 119.5 7.7 445 119.5 7.7 446 119.5 7.7	441 119.5 7.7 442 119.5 7.7 443 119.5 7.7	438 120 7.8 439 120 7.8 440 120 7.8	120.5 7.8 120 7.8 120 7.8	120.5 7.8 120.5 7.8	430 120.5 7.8 432 120.5 7.8 432 120.5 7.8	428 120.5 7.8 429 120.5 7.8	426 121 7.8 427 121 7.8	121 7.8 121 7.8	421 121.5 7.9 422 121.5 7.9	420 121.5 7.9	418 121.5 7.9	416 121.5 7.9	413 121.5 7.9 414 121.5 7.9	122 7.9 121.5 7.9	122 7.9 122 7.9
473 117.5 7.6 277 474 117.5 7.6 328 475 117.5 7.6 308 482 117.5 7.6 1084 482 117.5 7.6 1084 484 117.5 7.6 1085 485 117.5 7.6 1086 486 117.5 7.6 1089 487 117.5 7.6 1089	468 118 7.6 924 469 117.5 7.6 244 470 117.5 7.6 244 471 117.5 7.6 247 472 117.5 7.6 247	463 118 7.6 425 464 118 7.6 425 465 118 7.6 806 466 118 7.6 924	459 118.5 7.7 467 460 118.5 7.7 912 462 118 7.6 245	456 118.5 7.7 248 457 118.5 7.7 467 458 118.5 7.7 467	452 118.5 7.7 246 454 118.5 7.7 246 455 118.5 7.7 248	450 119 7.7 686 451 119 7.7 713	447 119.5 7.7 467 448 119 7.7 686 449 119 7.7 686	444 119.5 7.7 270 445 119.5 7.7 328 446 119.5 7.7 328	441 119.5 7.7 218 442 119.5 7.7 246 443 119.5 7.7 246	438 120 7.8 245 439 120 7.8 253 440 120 7.8 253	120.5 7.8 778 120 7.8 23 120 7.8 245	120.5 7.8 757 120.5 7.8 773	430 120.5 7.8 256 431 120.5 7.8 277 432 120.5 7.8 712	428 120.5 7.8 242 429 120.5 7.8 242	426 121 7.8 249 427 121 7.8 577	121 7.8 247 121 7.8 247	421 121.5 7.9 404 422 121.5 7.9 404	420 121.5 7.9 404	418 121.5 7.9 258	416 121.5 7.9 256	414 121.5 7.9 254 414 121.5 7.9 256	122 7.9 842 121.5 7.9 244 131 5 7.9 344	122 7.9 249 122 7.9 338
473 117.5 7.6 277 9 474 117.5 7.6 374 9 475 117.5 7.6 1084 9 482 117.5 7.6 1085 9 484 117.5 7.6 1085 9 485 117.5 7.6 1086 9 486 117.5 7.6 1089 9 488 117.5 7.6 1089 9	468 118 7.6 924 1 469 117.5 7.6 244 1 470 117.5 7.6 244 1 471 117.5 7.6 247 1 472 117.5 7.6 247 1	463 118 7.6 242 9 464 118 7.6 806 1 465 118 7.6 806 1 466 118 7.6 924 9	459 118.5 7.7 467 1 460 118.5 7.7 912 9 462 118 7.6 245 1	456 118.5 7.7 248 1 457 118.5 7.7 268 1 458 118.5 7.7 467 1	452 118.5 7.7 246 1: 454 118.5 7.7 246 1: 455 118.5 7.7 248 1:	450 119 7.7 713 9 451 119 7.7 713 9	447 119.5 7.7 467 9 448 119 7.7 686 1	444 119 5 7.7 270 1 445 119 5 7.7 328 9 446 119 5 7.7 328 9	441 119.5 7.7 218 942 119.5 7.7 246 1 442 119.5 7.7 246 1 443 119.5 7.7 246 1	438 120 7.8 245 1 439 120 7.8 253 1 440 120 7.8 253 1	120.5 7.8 778 9 120 7.8 23 1 120 7.8 245 1	120.5 7.8 757 9 120.5 7.8 773 9	430 120.5 7.8 256 1. 431 120.5 7.8 277 9 432 120.5 7.8 712 1	428 120.5 7.8 242 1: 429 120.5 7.8 242 1:	426 121 7.8 249 1 426 121 7.8 577 9	121 7.8 247 1 121 7.8 247 1	421 121.5 7.9 404 1 422 121.5 7.9 404 1	420 121.5 7.9 404 1	418 121.5 7.9 258 1	416 121.5 7.9 256 1	413 121.5 7.9 255 9 414 121.5 7.9 255 9 415 121 5 7 0 256 1	122 7.9 842 1 121.5 7.9 244 1	122 7.9 249 1 122 7.9 338 1
473 117.5 7.6 277 474 117.5 7.6 328 475 117.5 7.6 308 482 117.5 7.6 1084 482 117.5 7.6 1084 484 117.5 7.6 1085 485 117.5 7.6 1086 486 117.5 7.6 1089 487 117.5 7.6 1089	468 118 7.6 924 1 469 117.5 7.6 244 1 470 117.5 7.6 244 1 471 117.5 7.6 247 1 472 117.5 7.6 247 1	463 118 7.6 242 9 464 118 7.6 806 1 465 118 7.6 806 1 466 118 7.6 924 9	459 118.5 7.7 467 1 460 118.5 7.7 912 9 462 118 7.6 245 1	456 118.5 7.7 248 1 457 118.5 7.7 268 1 458 118.5 7.7 467 1	452 118.5 7.7 246 1: 454 118.5 7.7 246 1: 455 118.5 7.7 248 1:	450 119 7.7 713 9 451 119 7.7 713 9	447 119.5 7.7 467 9 448 119 7.7 686 1	444 119 5 7.7 270 1 445 119 5 7.7 328 9 446 119 5 7.7 328 9	441 119.5 7.7 218 942 119.5 7.7 246 1 442 119.5 7.7 246 1 443 119.5 7.7 246 1	438 120 7.8 245 1 439 120 7.8 253 1 440 120 7.8 253 1	120.5 7.8 778 9 120 7.8 23 1 120 7.8 245 1	120.5 7.8 757 9 120.5 7.8 773 9	430 120.5 7.8 256 1. 431 120.5 7.8 277 9 432 120.5 7.8 712 1	428 120.5 7.8 242 1: 429 120.5 7.8 242 1:	426 121 7.8 249 1 426 121 7.8 577 9	121 7.8 247 1 121 7.8 247 1	421 121.5 7.9 404 1 422 121.5 7.9 404 1	420 121.5 7.9 404 1	418 121.5 7.9 258 1	416 121.5 7.9 256 1	413 121.5 7.9 255 9 414 121.5 7.9 255 9 415 121 5 7 0 256 1	122 7.9 842 1 121.5 7.9 244 1	122 7.9 249 1 122 7.9 338 1

55555555555555555555555555555555555555	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , , , , , , , , , , , , , , , , , ,	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	44444444400000000000000000000000000000
115 115 115 115 115 115 115 115 115			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	666611111111177777777777
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
22222222222222222222222222222222222222	2241 2241 2290 2900	7248 250 250 250 250 250 250 250 250 250 250	22 22 22 22 22 22 22 22 22 22 22 22 22	1089 1089 1089 1089 1089 1089 1089 1089
111111111111111111111111111111111111111	111 9 9 9 11 11			
US-11-24-763 US-10-453-372-840 US-10-453-372-840 US-11-235-776A-1 US-11-197-644-4 US-11-197-644-3 US-11-197-644-3 US-11-197-644-3 US-11-197-644-3 US-11-235-776A-3 US-11-235-776A-9 US-11-235-776A-9 US-11-235-776A-9 US-11-235-776A-9	US-11-26-444-1788 US-11-266-444-1788 US-10-453-372-850 US-10-453-372-836 US-10-453-372-842 US-10-453-372-848 US-10-453-372-848 US-10-115-609-4 US-11-248-773-1	US-11-266-444-1370 US-11-266-444-1370 US-11-266-078-13 US-11-096-0078-13 US-11-000-463-453 US-11-197-038-3 US-11-197-038-3 US-11-197-038-2 US-11-197-644-2 US-11-197-644-2 US-11-197-644-2 US-11-197-644-2	US-11-054-515-898 US-11-266-444-898 US-10-995-561-883 US-10-995-76A-13 US-10-948-716-9 US-11-235-776A-11 US-10-495-664-3 US-10-493-909-51 US-10-917-905-6 US-11-054-515-1278 US-11-054-513-1278 US-11-052-554A-51 US-11-052-554A-51 US-11-052-554A-51 US-11-052-554A-51 US-11-052-554A-51 US-11-052-554A-51 US-11-052-554A-51 US-11-052-554A-51	US-10-517-905-25 US-10-517-905-27 US-11-148-770-32 US-11-075-047A-117 US-11-075-047A-117 US-11-177-894-26 US-11-177-894-28 US-11-177-894-29 US-11-177-894-29 US-11-177-894-29 US-11-273-894-29 US-11-517-905-10 US-10-517-905-10 US-10-517-905-10 US-10-54-515-1753 US-11-266-444-1753 US-11-266-444-1753 US-11-087-177-11 US-11-087-177-11 US-11-087-177-13 US-11-087-177-13 US-11-087-177-13 US-11-087-177-13 US-11-087-177-13 US-11-087-177-13 US-11-087-177-13 US-11-087-177-13 US-11-087-177-13 US-11-087-177-13 US-11-087-177-13 US-11-087-177-13 US-11-087-177-13 US-11-087-177-13 US-11-087-177-13 US-11-084-515-1203 US-11-266-444-1203 US-11-266-444-1203
	- 7- 4405116	Sequence 1307, Ap Sequence 1370, Ap Sequence 1370, Ap Sequence 1370, Ap Sequence 13, Appl Sequence 453, Appl Sequence 3, Appli Sequence 3, Appli Sequence 2, Appli Sequence 2, Appli Sequence 2, Appli		Sequence 25, Appl Sequence 37, Appl Sequence 117, App Sequence 117, App Sequence 26, Appl Sequence 27, Appl Sequence 28, Appl Sequence 29, Appl Sequence 29, Appl Sequence 10, Appl Sequence 10, Appl Sequence 10, Appl Sequence 173, App Sequence 173, App Sequence 1740, Ap Sequence 1740, Ap Sequence 1740, Ap Sequence 1240, Appl Sequence 1340, Appl
	P			
				. W.
	622 622 623 623 624 625 626 626 1		586 587 588 113 590 113 591 113 592 113 594 113 596 113 598 113 598 113	562 114. 563 114. 565 114. 566 114. 566 114. 569 114. 569 114. 570 114. 571 114. 572 114. 573 114. 574 114. 575 114. 576 111. 577 114. 578 114. 579 114.
620 620 630 630 631 631 632 633 634 635 635 635 637 637 638 637 638 639 639 639 639 639 639 639 639 639 639	620 112 621 112 621 112 622 112 623 112 624 112 625 112 626 112 627 113	602 603 113 604 113 605 112.5 607 112.5 608 112.5 610 112.5 610 112.5 611 112.5 618 112.5	586 587 588 113 590 113 591 113 592 113 594 113 596 113 598 113 598 113	1114.5 1114.5 1114.5 1114.5 1114.5 1114.5 1114.5 1114.5 1114.5 1114.5
629 112 7.3 630 112 7.3 631 112 7.3 632 112 7.3 632 112 7.3 634 112 7.3 635 112 7.3 636 112 7.3 637 112 7.3 639 112 7.3 639 112 7.3 639 112 7.3	620 112 7.3 621 112 7.3 622 112 7.3 623 112 7.3 624 112 7.3 625 112 7.3 626 112 7.3 627 112 7.3	603 113 7.3 604 112.5 7.3 608 112.5 7.3 609 112.5 7.3 610 112.5 7.3 610 112.5 7.3 611 112.5 611 112.5 611 112.5 61	586 114 7.4 588 114 7.4 588 114 7.4 589 113.5 7.4 590 113.5 7.4 590 113.5 7.4 591 113.5 7.4 591 113.5 7.4 591 113.5 7.4 591 113.5 7.4 591 113.5 7.4 591 113.5 7.4 591 113.5 7.4 591 113.5 7.4 591 113.5 7.4 591 113.5 7.4 591 113.5 7.4	1114.5 1114.5 1114.5 1114.5 1114.5 1114.5 1114.5 1114.5 1114.5 1114.5 1114.5 1114.5 1114.5 1114.7 114.7 114.7 114.7 114.7 114.7 114.7 114.7 114.7 114.7 114.
626 112 7.3 245 11 630 112 7.3 245 11 631 112 7.3 246 11 632 112 7.3 246 11 633 112 7.3 247 11 634 112 7.3 247 11 635 112 7.3 248 11 636 112 7.3 248 11 637 112 7.3 259 11 638 112 7.3 259 11 639 112 7.3 267 9	620 112 7.3 245 1 622 112 7.3 245 1 622 112 7.3 245 1 622 112 7.3 245 1 623 112 7.3 245 1 624 112 7.3 245 1 625 112 7.3 245 1 626 112 7.3 245 1 627 112 7.3 245 1	603 113 7.3 489 1 604 113 7.3 652 1 605 112.5 7.3 248 1 606 112.5 7.3 250 1 607 112.5 7.3 250 1 608 112.5 7.3 250 1 610 112.5 7.3 421 1 611 112.5 7.3 463 1 618 112.5 7.3 463 1	\$86 114 7.4 346 1 587 114 7.4 461 1 588 114 7.4 461 1 588 114 7.4 461 1 590 113.5 7.4 249 1 13.5 7.4 251 1 591 113.5 7.4 258 1 13.5 7.4 258 1 13.5 7.4 258 1 13.5 7.4 258 1 13.5 7.4 258 1 13.5 7.4 258 1 13.5 7.4 258 1 13.5 7.4 258 1 13.5 7.4 258 1 13.5 7.4 258 1 13.5 7.4 258 1 13.5 7.4 258 1 13.5 7.4 259 1 13.5 7.4 288 9 598 113.5 7.4 297 9 599 113.5 7.4 297 9 599 113.7 7.3 297 1 13.5 7 1 13.5 297 1 13.5 7 1 13.5 297	114.5 7.4 244 1 114.5 7.4 244 1 114.5 7.4 252 1 114.5 7.4 252 1 114.5 7.4 269 9 114.5 7.4 352 1 114.5 7.4 439 1 114.5 7.4 439 1 114.5 7.4 439 1 114.5 7.4 439 1 114.5 7.4 439 1 114.5 7.4 439 1 114.5 7.4 439 1 114.5 7.4 464 1 114.7 7.4 247 1 114 7.4 248 1 114 7.4 251 1 114 7.4 305 9 114 7.4 305 9 114 7.4 305 9
626 112 7.3 245 11 630 112 7.3 245 11 631 112 7.3 246 11 632 112 7.3 246 11 633 112 7.3 247 11 634 112 7.3 247 11 635 112 7.3 248 11 636 112 7.3 248 11 637 112 7.3 259 11 638 112 7.3 259 11 639 112 7.3 267 9	620 112 7.3 245 1 622 112 7.3 245 1 622 112 7.3 245 1 622 112 7.3 245 1 623 112 7.3 245 1 624 112 7.3 245 1 625 112 7.3 245 1 626 112 7.3 245 1 627 112 7.3 245 1	603 113 7.3 489 1 604 113 7.3 652 1 605 112.5 7.3 248 1 606 112.5 7.3 250 1 607 112.5 7.3 250 1 608 112.5 7.3 250 1 610 112.5 7.3 421 1 611 112.5 7.3 463 1 618 112.5 7.3 463 1	\$86 114 7.4 346 1 587 114 7.4 461 1 588 114 7.4 461 1 588 114 7.4 461 1 590 113.5 7.4 249 1 13.5 7.4 251 1 591 113.5 7.4 258 1 13.5 7.4 258 1 13.5 7.4 258 1 13.5 7.4 258 1 13.5 7.4 258 1 13.5 7.4 258 1 13.5 7.4 258 1 13.5 7.4 258 1 13.5 7.4 258 1 13.5 7.4 258 1 13.5 7.4 258 1 13.5 7.4 258 1 13.5 7.4 259 1 13.5 7.4 288 9 598 113.5 7.4 297 9 599 113.5 7.4 297 9 599 113.7 7.3 297 1 13.5 7 1 13.5 297 1 13.5 7 1 13.5 297	114.5 7.4 244 114.5 7.4 252 114.5 7.4 252 114.5 7.4 269 114.5 7.4 269 114.5 7.4 269 114.5 7.4 352 114.5 7.4 409 114.5 7.4 439 114.5 7.4 464 114.5 7.4 464 114.7 7.4 248 114 7.4 248 114 7.4 251 114 7.4 305 114 7.4 305

702 703 704 705 706 707 708 709 710 711	698 699 700	2 4 2 6																					-			
110 110 110 110 110 110 110 110 109.5 109.5	110.5 110.5 110.5	110.5	110.5	110.5	110.5	110.5	110.5	110.5			EE		EEE		111	,		111.5	===	===	##	:::		##	ᇣ	
77777777777 	7.22	7.22	7777	777	7.7.	7.2	7.2	7.2	7.7.2	7.7.2			177		• •								•	• •	• • •	7.3
245 245 245 245 246 250 250 250	258 258 258 326	25 6 6 6	250	250	248 248	248	246	224	327	255 255	221	251	251 251	251 251	249 251	247	592	322	261 261	252 252	244	244	244	242 244	239	421 766
11116 6 11 11 11 11 11 11 11 11 11 11 11																		_ 1						##		11
US-11-054-515-1457 US-11-266-444-1457 US-11-266-444-2120 US-11-266-444-2120 US-10-453-372-780 US-10-453-372-782 US-11-253-372-770 US-10-453-372-770 US-11-254-515-7 US-11-266-444-1254 US-11-266-444-7	US-11-054-515-1265 US-11-054-515-1266 US-11-266-444-1265 US-11-266-444-1266 US-11-233-798-6	US-11-054-515-1865 US-11-266-444-1865 US-11-054-515-1600 US-11-266-444-1600	US-11-U54-515-1367 US-11-266-444-834 US-11-266-444-1367 US-11-266-444-1367	US-11-266-444-1363 US-11-054-515-834	US-11-054-515-1363 US-11-266-444-1273 US-11-266-444-1331	US-11-054-515-1273 US-11-054-515-1331	US-11-054-515-1369 US-11-266-444-1369	US-11-113-424-03 US-11-054-515-1491 US-11-266-444-1491	US-11-266-444-1553 US-11-233-798-2	US-11-054-515-863 US-11-266-444-863 US-11-054-515-1553	US-11-054-515-1966 US-11-266-444-1966	US-11-266-444-1805 US-11-266-444-1812	US-11-054-515-1812 US-11-266-444-1122 US-11-266-444-122	US-11-054-515-1229 US-11-054-515-1805	US-11-266-444-1891 US-11-054-515-1122	US-11-266-444-1099 US-11-054-515-1891	US-10-016-686-4	US-10-979-095-8 US-11-000-463-400	US-11-054-515-1503 US-11-266-444-1503	US-11-054-515-1131 US-11-266-444-1131	US-11-266-444-1842 US-11-266-444-2058	US-11-266-444-1507	US-11-054-515-1842	US-11-266-444-1438 US-11-054-515-1507	US-10-496-284-11 US-11-054-515-1438	US-11-051-724-100 US-11-147-047-27
771175882211	Sequence 1265, Sequence 1266, Sequence 1266, Sequence 6, App	160	136	13.6	136 127	137	136	149	155	155	196	181	31.6	180	189	381	5	8, App1	1503,	e 1131, e 1131,	2058,	1507,	Sequence 1842, Ap		Sequence 11, Appi Sequence 1438, Ap	Sequence 100, App Sequence 27, Appl
157, Ap 120, Ap 120, Ap 120, App 1, A	Ap Ap Ap 11	ช์ซ์ซ์ซ์	ਹੈ ਨੇ ਦੇ ਹ	י פי פי פ	ð 'Ö 'Ö	י טי טי	יי טי טי	0 ·0 ·	- Ի∙ <i>მ</i>	סיסיס									י סי ט	0'0	סי סי					ריס יים
Ap 792 Ap 793 Ap 794 Ap 795 Ap 796 Ap 797 Ap 797 Ap 798 Ap 799 Ap 800 Ap 800 Ap 800 Ap 800 Ap 800 Ap 800	787 788 789 790 791						-											729 730	727 1 728 1	725 1 726 1	724 1	722		718 1 719 1	716 1 717 1	714 1 715 1
	787 1 788 1 789 1 790 1 791 108		778 1 779 1	761 1 762 1	758 1 759 1 760 1	756 1 757 1	754 1 755 1	752 1 753 1	749 1 750 1	746 1 747 1 748 1	744 1	742 1		737 1 738 1	735 1 736 1	733 1 734 1	731 10	729 1 730 1	727 1 728 1	725 1 726 1	724 1	722		718 1 719 1	716 717	714 1 715 1
Ap 792 108 Ap 793 108 Ap 794 108 Ap 795 108 Ap 796 108 Ap 796 108 Ap 797 108 Ap 798 108 Ap 800 108 Ap 801 108 Ap 803 108	787 109 788 109 789 109 789 109 790 109 791 108.5	783 109 784 109	778 109 779 109 779 109	761 109 762 109 763 109	758 109 759 109 760 109	756 109 757 109	754 109 755 109	752 109 753 109	749 109 750 109 751 109	746 109 747 109 748 109	744 109 745 109	742 109 743 109	739 109 740 109 741 109	737 109 738 109	735 109 736 109	733 109 734 109	731 109 732 109	729 109 730 109	727 109.5 728 109.5	725 109.5 726 109.5	724 109.5 724 109.5	722 109.5	109.5	718 109.5 719 109.5	716 109.5 717 109.5	714 109.5 715 109.5
Ap 792 108.5 7. Ap 793 108.5 7. Ap 794 108.5 7. Ap 795 108.5 7. Ap 796 108.5 7. Ap 796 108.5 7. Ap 799 108.5 7. Ap 799 108.5 7. Ap 800 108.5 7.	787 109 7.1 788 109 7.1 789 109 7.1 790 109 7.1 791 108.5 7.0	782 109 7.1 782 109 7.1 783 109 7.1 784 109 7.1	763 109 7:1 778 109 7:1 779 109 7:1	761 109 7.1 762 109 7.1 762 109 7.1	758 109 7.1 759 109 7.1 760 109 7.1	756 109 7.1 757 109 7.1	754 109 7.1 755 109 7.1	752 109 7.1 753 109 7.1	749 109 7.1 750 109 7.1 751 109 7.1	745 109 7.1 747 109 7.1 748 109 7.1	744 109 7.1 745 109 7.1	742 109 7.1 743 109 7.1	739 109 7.1 740 109 7.1 741 109 7.1	737 109 7.1 738 109 7.1	735 109 7.1 736 109 7.1	733 109 7.1 734 109 7.1	731 109 7.1 732 109 7.1	729 109 7.1 730 109 7.1	727 109.5 7.1 728 109.5 7.1	725 109.5 7.1 726 109.5 7.1	724 109.5 7.1	722 109.5 7.1	109.5 7.1	718 109.5 7.1 719 109.5 7.1	716 109.5 7.1 717 109.5 7.1	714 109.5 7.1 715 109.5 7.1
Ap A	787 109 7.1 640 1.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1	782 109 7.1 640 9 782 109 7.1 640 9 783 109 7.1 640 9 784 109 7.1 640 9	763 109 7.1 526 1. 778 109 7.1 628 9 779 109 7.1 628 9	761 109 7.1 516 1. 762 109 7.1 516 1. 763 109 7.1 516 1.	758 109 7.1 342 1. 759 109 7.1 402 1. 760 109 7.1 412 9	756 109 7.1 323 1: 757 109 7.1 324 1:	754 109 7.1 317 1. 755 109 7.1 323 1.	752 109 7.1 316 11. 753 109 7.1 317 1.	749 109 7.1 302 9 750 109 7.1 302 7 751 109 7.1 316 1	747 109 7.1 259 1. 747 109 7.1 259 1. 748 109 7.1 269 9	744 109 7.1 259 1: 745 109 7.1 259 1:	742 109 7.1 251 1: 743 109 7.1 251 1:	739 109 7.1 249 1: 740 109 7.1 249 1: 741 109 7.1 249 1:	737 109 7.1 248 9 738 109 7.1 249 1:	735 109 7.1 245 1: 736 109 7.1 245 1:	733 109 7.1 240 1: 734 109 7.1 240 1:	731 109 7.1 240 1: 732 109 7.1 240 1:	729 109 7.1 240 1: 730 109 7.1 240 1:	727 109.5 7.1 738 9 728 109.5 7.1 738 9	725 109.5 7.1 500 1: 726 109.5 7.1 738 8	724 109.5 7.1 372 109.5 7.1 37	722 109.5 7.1 294 9	109.5 7.1 260 1:	718 109.5 7.1 252 1: 719 109.5 7.1 252 1:	716 109.5 7.1 252 1: 717 109.5 7.1 252 1:	714 109.5 7.1 252 1: 715 109.5 7.1 252 1:
Ap 792 108.5 7.0 244 Ap 793 108.5 7.0 248 Ap 794 108.5 7.0 248 Ap 795 108.5 7.0 251 Ap 796 108.5 7.0 251 Ap 797 108.5 7.0 251 Ap 798 108.5 7.0 252 Ap 800 108.5 7.0 256 Ap 802 108.5 7.0 256 Ap 803 108.5 7.0 258	787 109 7.1 640 1.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1	782 109 7.1 640 9 782 109 7.1 640 9 783 109 7.1 640 9 784 109 7.1 640 9	763 109 7.1 526 1. 778 109 7.1 628 9 779 109 7.1 628 9	761 109 7.1 516 1. 762 109 7.1 516 1. 763 109 7.1 516 1.	758 109 7.1 342 1. 759 109 7.1 402 1. 760 109 7.1 412 9	756 109 7.1 323 1: 757 109 7.1 324 1:	754 109 7.1 317 1. 755 109 7.1 323 1.	752 109 7.1 316 11. 753 109 7.1 317 1.	749 109 7.1 302 9 750 109 7.1 302 7 751 109 7.1 316 1	747 109 7.1 259 1. 747 109 7.1 259 1. 748 109 7.1 269 9	744 109 7.1 259 1: 745 109 7.1 259 1:	742 109 7.1 251 1: 743 109 7.1 251 1:	739 109 7.1 249 1: 740 109 7.1 249 1: 741 109 7.1 249 1:	737 109 7.1 248 9 738 109 7.1 249 1:	735 109 7.1 245 1: 736 109 7.1 245 1:	733 109 7.1 240 1: 734 109 7.1 240 1:	731 109 7.1 240 1: 732 109 7.1 240 1:	729 109 7.1 240 1: 730 109 7.1 240 1:	727 109.5 7.1 738 9 728 109.5 7.1 738 9	725 109.5 7.1 500 1: 726 109.5 7.1 738 8	724 109.5 7.1 372 109.5 7.1 37	722 109.5 7.1 294 9	109.5 7.1 260 1:	718 109.5 7.1 252 1: 719 109.5 7.1 252 1:	716 109.5 7.1 252 1: 717 109.5 7.1 252 1:	714 109.5 7.1 252 1: 715 109.5 7.1 252 1:

879 881 882 883 885 887	873 874 875 876 877	868 869 870 871	0 4 0 6 6	24000	40.0		W 7 01 01 IL W	21008	7652		98	0.01	222	0,79	
107.5 107.5 107.5 107.5 107.5 107.5 107.5	333333	33333	07.00		0000	2000	108 108 108 108	0000	0000	0000	000	00.			
7777777															
222222222222222235000000000000000000000	44444	4444		40004	4444	4444	4444	4444	444	W 10 10 10 10	NOC	004	44	4 4 4	மையை
			-0111		, , , , , , ,	444	~ ~ ~ ~ ~ ~			<u>, , , , , , , , , , , , , , , , , , , </u>	444			7	222
US-11-266-444-1134 US-11-266-444-2094 US-11-266-444-2094 US-11-054-515-850 US-11-054-515-1228 US-11-054-515-1240 US-11-054-515-1414 US-11-266-444-850 US-11-266-444-850															
Sequence 1134, Ap Sequence 1816, Ap Sequence 2094, App Sequence 850, App Sequence 1228, Ap Sequence 1280, Ap Sequence 1414, Ap Sequence 1414, Ap Sequence 1228, Ap	12111	77777	- G W W W (₩ P ® ® P	1911	o u o o b	400000	n n n n n	n n n n	1112	\sim \sim \sim		, 12 L	7244	2777
	י טי טי טי טי טי	יטיטיטי⊣ כ			00000										
955 956 958 960 962	949 950 951 952 953 954	9449 9440 940 940	9940 9440 9441	4 C C C C C C C C C C C C C C C C C C C	939222000000000000000000000000000000000	925 926 928	919 920 921 922 923 923	914 915 916 917 918							
955 106 956 106 957 106 958 106 959 106 961 106 962 106 963 106	949 106 950 106 951 1 952 1 953 1 954 1	944 106 945 106 946 106 946 106 948 106	939 106 940 106 941 106 942 106	934 106 935 106 936 106 937 106 938 106	930 106 931 106 932 106 933 106	925 926 1 928	919 920 921 922 923 923	914 1 915 1 916 1 917 1 918 1		107	107	107	107.		107 107 107
	949 106.5 6. 950 106.5 6. 951 106 6. 952 106 6. 953 106 6. 954 106 6.	944 106.5 6. 945 106.5 6. 946 106.5 6. 947 106.5 6. 948 106.5 6.	939 106.5 6. 940 106.5 6. 941 106.5 6. 942 106.5 6.	934 106.5 6. 935 106.5 6. 937 106.5 6. 938 106.5 6.	930 107 6. 931 106.5 6. 932 106.5 6. 933 106.5 6.	925 107 6. 926 107 6. 927 107 6. 928 107 6.	919 107 6. 920 107 6. 921 107 6. 922 107 6. 923 107 6. 924 107 6.	914 107 6. 915 107 6. 916 107 6. 917 107 6. 918 107 6.	107 6. 107 6. 107 6.	107.5 7. 107 6. 107 6. 107 6.	107.5 7.	107.5 7.	107.5 7.	107.5 7. 107.5 7. 107.5 7.	107.5 7. 107.5 7. 107.5 7. 107.5 7.
106 6.9 106 6.9 106 6.9 106 6.9 106 6.9	949 106.5 6.9 950 106.5 6.9 951 106 6.9 952 106 6.9 953 106 6.9 954 106 6.9	944 106.5 6.9 945 106.5 6.9 946 106.5 6.9 947 106.5 6.9 948 106.5 6.9	939 106.5 6.9 940 106.5 6.9 941 106.5 6.9 942 106.5 6.9	934 106.5 6.9 935 106.5 6.9 937 106.5 6.9 938 106.5 6.9	930 107 6.9 931 106.5 6.9 932 106.5 6.9 933 106.5 6.9	925 107 6.9 926 107 6.9 927 107 6.9 928 107 6.9	919 107 6.9 920 107 6.9 921 107 6.9 922 107 6.9 923 107 6.9 924 107 6.9	914 107 6.9 915 107 6.9 916 107 6.9 917 107 6.9 918 107 6.9	107 6.9 107 6.9 107 6.9 107 6.9	107.5 7.0 107 6.9 107 6.9 107 6.9	107.5 7.0	107.5 7.0	107.5 7.0	107.5 7.0 107.5 7.0 107.5 7.0	107.5 7.0 107.5 7.0 107.5 7.0 107.5 7.0
106 6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6	949 106.5 6.9 304 950 106.5 6.9 450 951 106 6.9 240 952 106 6.9 240 953 106 6.9 240 954 106 6.9 240	944 106.5 6.9 250 945 106.5 6.9 254 946 106.5 6.9 254 947 106.5 6.9 255 948 106.5 6.9 255	939 106.5 6.9 248 940 106.5 6.9 248 941 106.5 6.9 250 942 106.5 6.9 250	934 106.5 6.9 242 935 106.5 6.9 244 936 106.5 6.9 244 937 106.5 6.9 247 938 106.5 6.9 247	930 107 6.9 463 931 106.5 6.9 237 932 106.5 6.9 237 933 106.5 6.9 237	925 107 6.9 458 926 107 6.9 458 927 107 6.9 458 928 107 6.9 458	919 107 6.9 259 920 107 6.9 259 921 107 6.9 259 922 107 6.9 259 923 107 6.9 458 924 107 6.9 458	914 107 6.9 241 915 107 6.9 247 916 107 6.9 247 917 107 6.9 253 918 107 6.9 253	107 6.9 240 107 6.9 240 107 6.9 240 107 6.9 241	107.5 7.0 653 107 6.9 213 107 6.9 237 107 6.9 240	107.5 7.0 653 107.5 7.0 653	107.5 7.0 462 107.5 7.0 479	107.5 7.0 282 107.5 7.0 462	107.5 7.0 252 107.5 7.0 252 107.5 7.0 282	107.5 7.0 250 107.5 7.0 250 107.5 7.0 252 107.5 7.0 252
106 6.9 240 106 6.9 243 106 6.9 243 106 6.9 243 106 6.9 243 106 6.9 245 106 6.9 245 106 6.9 247	949 106.5 6.9 304 11 US 950 106.5 6.9 450 10 US 951 106 6.9 240 11 US 952 106 6.9 240 11 US 953 106 6.9 240 11 US 954 106 6.9 240 11 US	944 106.5 6.9 250 11 US 945 106.5 6.9 254 11 US 946 106.5 6.9 254 11 US 947 106.5 6.9 255 11 US 948 106.5 6.9 255 11 US	939 106.5 6.9 248 11 U 940 106.5 6.9 248 11 U 941 106.5 6.9 250 11 U 942 106.5 6.9 250 11 U 943 106.5 6.9 250 11 U	934 106.5 6.9 242 11 US 935 106.5 6.9 244 11 US 936 106.5 6.9 244 11 US 937 106.5 6.9 247 11 US 938 106.5 6.9 247 11 US	930 107 6.9 463 11 US 931 106.5 6.9 237 11 US 932 106.5 6.9 237 11 US 933 106.5 6.9 242 11 US	925 107 6.9 458 11 US 926 107 6.9 458 11 US 927 107 6.9 458 11 US 928 107 6.9 458 11 US	919 107 6.9 259 11 US 920 107 6.9 259 11 US 921 107 6.9 259 11 US 922 107 6.9 259 11 US 923 107 6.9 458 11 US 924 107 6.9 458 11 US	914 107 6.9 241 11 US 915 107 6.9 247 11 US 916 107 6.9 247 11 US 917 107 6.9 253 11 US 918 107 6.9 253 11 US	107 6.9 240 11 U5 107 6.9 240 11 U5 107 6.9 240 11 U5 107 6.9 241 11 U5	107.5 7.0 653 11 03 107 6.9 213 9 US 107 6.9 237 11 US 107 6.9 240 11 US	107.5 7.0 653 9 US- 107.5 7.0 653 9 US- 107.5 7.0 653 11 US	107.5 7.0 462 11 US 107.5 7.0 462 11 US 107.5 7.0 479 11 US	107.5 7.0 282 11 US	107.5 7.0 252 11 US 107.5 7.0 252 11 US 107.5 7.0 282 9 US	107.5 7.0 250 11 US 107.5 7.0 250 11 US 107.5 7.0 252 11 US 107.5 7.0 252 11 US

1032 1033 1034	1030	1028	1026	1024	L022	220	19	9 7 7	16	14	12	110	50	8 7	3 00 1	42	32	ごこう	999	997	95	93	92	99	88	98	854	8	32	50	ο ο	76	ıo.	73	72	970	969	6766
105					10	10	10	110	10		10	10	10	10	10	10	10	:::	100	100	110	100	10															
		 		0 00		 									ω.	 		· · ·		 			. o					9	•	<u>ن</u> ن			: ما	ە م	نف	۰ ن		
249 1	87	77,	25 C	, m	94	88	80	 	04				4.4	4 2		1 1	88		,,,			,,,	9 B	ω ω 	ω _L	, 60	8 5	·ω·		60	. 6	5 4				. ω ·	ω p	99,
	~ ~ ,		. p	ـ .	_	14 ب	_,	ــر د	-	, 12			٠,		مبر د						,	- •	0 1	<u> </u>		. ب	ם ב	, 14					٠,	ب	μ,	. بر د		
US-11-266-444-1982 US-11-054-515-1986 US-11-054-515-2033 US-11-266-444-1986	11-26	11-05	11-26	11-20	0-496	11-21	11-089	11-19	0-505	11-05	·11-26	11-26	11-05	11-26	11-05	·11-05 ·11-26	11-26	11-05	11-26	11-26	11-05	11-02	11-043	11-076	11-043	11-07	11-236	11-29	11-10: 11-10:	11-10	11-10	11-20	11-089	0-453	11-26	11-26	11-259	11-05
4-515- 5-444-	4-515-	4-515+ 5-444-	5 - 4 - 4 - 1 5 - 4 - 4 - 1 7 - 4 - 1	1-709-	9-463- -284-1	3-234-	-803-	2-123-	928-1	-515-	5-444-	5-444-	1-515-	1-515-	-515-	1-515- 5-444-	5-444-	1-515-	1444	1444	1-515-	2-040-	3-693-:	5-427A 5-047A	3-693-	5-047A	5-198-	9-182-	2-621-	2-621-	2-621-	1-709-	5-812-	-372-7	6-444	5-444-)-232-; 1-515-(5-444-
1982 1986 2033	1711	1711	1550	20	7763	O N	N 1	3 6 6	1285	1285	1469	1045	1469	1045	1852	1127 1127	1675	1675	8661	2069	2069	1845	4.4	-121 -121	2 5	6	-12 -13	6	123	121	119	4 21	, ~ ;	78	1277	860	27 860	2085
Sequence 1 Sequence 2 Sequence 2 Sequence 1	Seque	Seque	Seque	Seque	seguen seguen	Seque	Seque	Seque	Sequen	Seque	Seguer	Seque	Seque	Seque	Seque	Seque	Seque	Seque	Seque	Seque	Seque	Seque	Seque	Segue	Seque	Seque	Seque	Seque	Seguer	Seque	Seque	Segue	Seque	seguer Seguer	Seque	Seque	Sequer	Seque
و و 6 و	0 7	4 1-4	بنمن	n 0	- 3		- 1	υ io i	υŅ	, is i	4.00	Òά	4.0	0 0	000	\vdash	0.1	0	0	0 4	900	, o	4.4	No	N	٠.	'nω	إم	NN	N	ا سا د	ه م		- œ	N i	ر ق	6 7	99
33, Ap 86, Ap	82, A	11, Ap	SO, AF	Appl	63, Ap Appl	Appli Appli	Appli	Appl Popl	. App	85, Ap	69, Ap	45, AE	69, A	45, AÇ	52, A	27, Ap 27, Ap	8, APP 75, AP	75, Ap	98, Ap	59, Ap	59, Ap	Appli	Appl	l, App1	Appl	Appli	, Appl	App1	2, App 3, App	l, App	App	Appı	Appli	Appli	77, Ap), App	Appl	85, Ap
0.0.0.0	0.0.0				_							-	, 0	~ ~	•																							
							1092	1090	1088										1072	1070	1068	1066	1064	1062	1061	1059	1058	1056	1054	1053						1043	1041	
1105 10 1106 10 1107 10 1108 10	1103 103	1101 103	1099 103	1097 103	1095 103	1093 103	092 103	090 1	089	1087	1085 1	1083	1082 1	1080	1079 10		1076	1074	072	070 1	068 104	066 104	064 104 065 104	062 104 063 104	061 104	059 104	057 104	056 104	054 104 $055 104$	053 104	1051 104	1050 104	1048 104	1046	1045	043	041 1 042 1	
1105 103 1106 103 1108 103	1103 103.5 6.	1101 103.5 6.	1099 103.5 6.	1097 103.5 6.	1095 103.5 6.	1093 103.5 6. 1094 103.5 6.	092 103.5 6.	090 104 6. 091 104 6.	088 104 6. 089 104 6.	1087 104 6.	1085 104 6. 1086 104 6.	1083 104 6.	1082 104 6.	1080 104 6.	1079 104 6.	1077 104 6. 1078 104 6.	1076 104 6.	1074 104 6.	072 104 6.	070 104 6.	068 104.5 6.	066 104.5 6. 067 104.5 6.	064 104.5 6. 065 104.5 6.	062 104.5 6. 063 104.5 6.	061 104.5 6.	059 104.5 6.	057 104.5 6. 058 104.5 6.	056 104.5 6.	054 104.5 6. 055 104.5 6.	053 104.5 6.	1051 104.5 6.	1050 104.5 6.	1048 104.5 6.	1046 105 6. 1047 105 6.	1045 105 6.	043 105 6.	041 105 6. 042 105 6.	1039 105 6. 1040 105 6.
1105 103.5 6. 1106 103.5 6. 1108 103.5 6.	1103 103.5 6.7 1104 103.5 6.7	1102 103.5 6.7	1009 103.5 6.7	1097 103.5 6.7	1095 103.5 6.7 1096 103.5 6.7	1093 103.5 6.7 1094 103.5 6.7	092 103.5 6.7	090 104 6.7 091 104 6.7	088 104 6.7 089 104 6.7	1087 104 6.7	1085 104 6.7 1086 104 6.7	1083 104 6.7	1082 104 6.7	1080 104 6.7	1079 104 6.7	1077 104 6.7 1078 104 6.7	1075 104 6.7	1074 104 6.7	071 104 6.7	069 104.5 6.8 070 104 6.7	068 104.5 6.8	066 104.5 6.8 067 104.5 6.8	064 104.5 6.8 065 104.5 6.8	062 104.5 6.8 063 104.5 6.8	061 104.5 6.8	059 104.5 6.8	057 104.5 6.8 058 104.5 6.8	056 104.5 6.8	054 104.5 6.8 055 104.5 6.8	053 104.5 6.8	1051 104.5 6.8	1050 104.5 6.8	1048 104.5 6.8	1046 105 6.8 1047 105 6.8	1045 105 6.8	043 105 6.8 044 105 6.8	041 105 6.8 042 105 6.8	1039 105 6.8 1040 105 6.8
1105 103.5 6.7 245 1 1106 103.5 6.7 247 1 1107 103.5 6.7 247 1 1108 103.5 6.7 248 1	1103 103.5 6.7 245 9 1104 103.5 6.7 245 1	1101 103.5 6.7 244 1 1102 103.5 6.7 244 1	1099 103.5 6.7 243 1 1100 103.5 6.7 243 1	1097 103.5 6.7 239 1	1095 103.5 6.7 239 1 1096 103.5 6.7 239 1	1093 103.5 6.7 222 9 1094 103.5 6.7 238 9	092 103.5 6.7 213 1	090 104 6.7 346 1 091 104 6.7 1215 8	088 104 6.7 311 1 089 104 6.7 346 1	1087 104 6.7 259 1	1085 104 6.7 259 1 1086 104 6.7 259 1	1083 104 6.7 259 1 1084 104 6.7 259 1	1082 104 6.7 257 1	1080 104 6.7 256 1 1081 104 6.7 256 1	1079 104 6.7 253 1	1077 104 6.7 251 1 1078 104 6.7 253 1	1076 104 6.7 251 1	1074 104 6.7 251 1	071 104 6.7 249 1 072 104 6.7 249 1	070 104 6.7 247 1	068 104.5 6.8 551 1	066 104.5 6.8 321 1 067 104.5 6.8 364 1	064 104.5 6.8 255 1 065 104.5 6.8 255 1	062 104.5 6.8 251 1 063 104.5 6.8 251 1	061 104.5 6.8 251 1	059 104.5 6.8 248 1	057 104.5 6.8 248 1 058 104.5 6.8 248 1	056 104.5 6.8 248 1	054 104.5 6.8 248 1	053 104.5 6.8 244 1	1051 104.5 6.8 243 1	1050 104.5 6.8 243 1	1048 104.5 6.8 243 1	1046 105 6.8 464 9	1045 105 6.8 340 1	043 105 6.8 317 1 044 105 6.8 317 1	041 105 6.8 302 1 042 105 6.8 310 1	1039 105 6.8 259 1 1040 105 6.8 259 1
1105 103.5 6.7 245 1 1106 103.5 6.7 247 1 1107 103.5 6.7 247 1 1108 103.5 6.7 248 1	1103 103.5 6.7 245 9 1104 103.5 6.7 245 1	1101 103.5 6.7 244 1 1102 103.5 6.7 244 1	1099 103.5 6.7 243 1 1100 103.5 6.7 243 1	1097 103.5 6.7 239 1	1095 103.5 6.7 239 1 1096 103.5 6.7 239 1	1093 103.5 6.7 222 9 1094 103.5 6.7 238 9	092 103.5 6.7 213 1	090 104 6.7 346 1 091 104 6.7 1215 8	088 104 6.7 311 1 089 104 6.7 346 1	1087 104 6.7 259 1	1085 104 6.7 259 1 1086 104 6.7 259 1	1083 104 6.7 259 1 1084 104 6.7 259 1	1082 104 6.7 257 1	1080 104 6.7 256 1 1081 104 6.7 256 1	1079 104 6.7 253 1	1077 104 6.7 251 1 1078 104 6.7 253 1	1076 104 6.7 251 1	1074 104 6.7 251 1	071 104 6.7 249 1 072 104 6.7 249 1	070 104 6.7 247 1	068 104.5 6.8 551 1	066 104.5 6.8 321 1 067 104.5 6.8 364 1	064 104.5 6.8 255 1 065 104.5 6.8 255 1	062 104.5 6.8 251 1 063 104.5 6.8 251 1	061 104.5 6.8 251 1	059 104.5 6.8 248 1	057 104.5 6.8 248 1 058 104.5 6.8 248 1	056 104.5 6.8 248 1	054 104.5 6.8 248 1	053 104.5 6.8 244 1	1051 104.5 6.8 243 1	1050 104.5 6.8 243 1	1048 104.5 6.8 243 1	1046 105 6.8 464 9	1045 105 6.8 340 1	043 105 6.8 317 1 044 105 6.8 317 1	041 105 6.8 302 1 042 105 6.8 310 1	1039 105 6.8 259 1 1040 105 6.8 259 1
1105 103.5 6.7 245 1 1106 103.5 6.7 247 1 1107 103.5 6.7 247 1 1108 103.5 6.7 248 1	1103 103.5 6.7 245 9 1104 103.5 6.7 245 1	1101 103.5 6.7 244 1 1102 103.5 6.7 244 1	100 103.5 6.7 243 1	1097 103.5 6.7 239 1	1095 103.5 6.7 239 1 1096 103.5 6.7 239 1	1093 103.5 6.7 222 9 1094 103.5 6.7 238 9	092 103.5 6.7 213 1	090 104 6.7 346 1 091 104 6.7 1215 8	088 104 6.7 311 1 089 104 6.7 346 1	1087 104 6.7 259 1	1085 104 6.7 259 1 1086 104 6.7 259 1	1083 104 6.7 259 1 1084 104 6.7 259 1	1082 104 6.7 257 1	1080 104 6.7 256 1 1081 104 6.7 256 1	1079 104 6.7 253 1	1077 104 6.7 251 1 1078 104 6.7 253 1	1076 104 6.7 251 1	1074 104 6.7 251 1	071 104 6.7 249 1 072 104 6.7 249 1	070 104 6.7 247 1	068 104.5 6.8 551 1	066 104.5 6.8 321 1 067 104.5 6.8 364 1	064 104.5 6.8 255 1 065 104.5 6.8 255 1	062 104.5 6.8 251 1 063 104.5 6.8 251 1	061 104.5 6.8 251 1	059 104.5 6.8 248 1	057 104.5 6.8 248 1 058 104.5 6.8 248 1	056 104.5 6.8 248 1	054 104.5 6.8 248 1	053 104.5 6.8 244 1	1051 104.5 6.8 243 1	1050 104.5 6.8 243 1	1048 104.5 6.8 243 1	1046 105 6.8 464 9	1045 105 6.8 340 1	043 105 6.8 317 1 044 105 6.8 317 1	041 105 6.8 302 1 042 105 6.8 310 1	1039 105 6.8 259 1 1040 105 6.8 259 1
1105 103.5 6.7 245 1 1106 103.5 6.7 247 1 1107 103.5 6.7 247 1 1108 103.5 6.7 248 1	1103 103.5 6.7 245 9 1104 103.5 6.7 245 1	1101 103.5 6.7 244 1 1102 103.5 6.7 244 1	100 103.5 6.7 243 1	1097 103.5 6.7 239 1	1095 103.5 6.7 239 1 1096 103.5 6.7 239 1	1093 103.5 6.7 222 9 1094 103.5 6.7 238 9	092 103.5 6.7 213 1	090 104 6.7 346 1 091 104 6.7 1215 8	088 104 6.7 311 1 089 104 6.7 346 1	1087 104 6.7 259 1	1085 104 6.7 259 1 1086 104 6.7 259 1	1083 104 6.7 259 1 1084 104 6.7 259 1	1082 104 6.7 257 1	1080 104 6.7 256 1 1081 104 6.7 256 1	1079 104 6.7 253 1	1077 104 6.7 251 1 1078 104 6.7 253 1	1076 104 6.7 251 1	1074 104 6.7 251 1	071 104 6.7 249 1 072 104 6.7 249 1	070 104 6.7 247 1	068 104.5 6.8 551 1	066 104.5 6.8 321 1 067 104.5 6.8 364 1	064 104.5 6.8 255 1 065 104.5 6.8 255 1	062 104.5 6.8 251 1 063 104.5 6.8 251 1	061 104.5 6.8 251 1	059 104.5 6.8 248 1	057 104.5 6.8 248 1 058 104.5 6.8 248 1	056 104.5 6.8 248 1	054 104.5 6.8 248 1	053 104.5 6.8 244 1	1051 104.5 6.8 243 1	1050 104.5 6.8 243 1	1048 104.5 6.8 243 1	1046 105 6.8 464 9	1045 105 6.8 340 1	043 105 6.8 317 1 044 105 6.8 317 1	041 105 6.8 302 1 042 105 6.8 310 1	1039 105 6.8 259 1 1040 105 6.8 259 1
1105 103.5 6.7 247 1106 103.5 6.7 247 1107 103.5 6.7 247 1108 103.5 6.7 248 1108 103.5 6.7 248	1103 103.5 6.7 245 9 1104 103.5 6.7 245 1	1101 103.5 6.7 244 1 1102 103.5 6.7 244 1	100 103.5 6.7 243 1	1097 103.5 6.7 239 1	1095 103.5 6.7 239 1 1096 103.5 6.7 239 1	1093 103.5 6.7 222 9 1094 103.5 6.7 238 9	092 103.5 6.7 213 1	090 104 6.7 346 1 091 104 6.7 1215 8	088 104 6.7 311 1 089 104 6.7 346 1	1087 104 6.7 259 1	1085 104 6.7 259 1 1086 104 6.7 259 1	1083 104 6.7 259 1 1084 104 6.7 259 1	1082 104 6.7 257 1	1080 104 6.7 256 1 1081 104 6.7 256 1	1079 104 6.7 253 1	1077 104 6.7 251 1 1078 104 6.7 253 1	1076 104 6.7 251 1	1074 104 6.7 251 1	071 104 6.7 249 1 072 104 6.7 249 1	070 104 6.7 247 1	068 104.5 6.8 551 1	066 104.5 6.8 321 1 067 104.5 6.8 364 1	064 104.5 6.8 255 1 065 104.5 6.8 255 1	062 104.5 6.8 251 1 063 104.5 6.8 251 1	061 104.5 6.8 251 1	059 104.5 6.8 248 1	057 104.5 6.8 248 1 058 104.5 6.8 248 1	056 104.5 6.8 248 1	054 104.5 6.8 248 1	053 104.5 6.8 244 1	1051 104.5 6.8 243 1	1050 104.5 6.8 243 1	1048 104.5 6.8 243 1	1046 105 6.8 464 9	1045 105 6.8 340 1	043 105 6.8 317 1 044 105 6.8 317 1	041 105 6.8 302 1 042 105 6.8 310 1	1039 105 6.8 259 1 1040 105 6.8 259 1
1105 103.5 6.7 245 11 US-11-266-444-1896 1106 103.5 6.7 247 11 US-11-266-444-2092 1107 103.5 6.7 247 11 US-11-266-444-2092 1108 103.5 6.7 248 11 US-11-266-444-2092	1103 103.5 6.7 245 9 US-10-115-609-2 1104 103.5 6.7 245 11 US-11-054-515-1896	1101 103.5 6.7 244 11 US-11-266-444-1124	1099 103.5 6.7 243 11 US-11-054-515-1969 1100 103.5 6.7 243 11 US-11-266-444-1969	1097 103.5 6.7 239 10 US-11-211-917-102 St	1095 103.5 6.7 239 10 US-11-211-917-16 SI	1093 103.5 6.7 222 9 US-10-453-372-844 See 1094 103.5 6.7 238 9 US-10-496-284-19 See	092 103.5 6.7 213 10 US-11-254-182-54 St	090 104 6.7 346 11 US-11-051-720-1384 St	088	1087 104 6.7 259 11 US-11-266-444-1270	1085 104 6.7 259 11 US-11-054-515-1270	1083 104 6.7 259 11 US-11-054-515-1025	1082 104 6.7 257 11 US-11-054-515-1256	1080 104 6.7 256 11 US-11-266-444-2119	1079 104 6.7 253 11 US-11-259-232-55	1077 104 6.7 251 11 US-11-266-444-1231 1078 104 6.7 253 11 US-11-259-232-44	1075 104 6.7 251 11 US-11-266-444-6	10/3 104 6.7 252 11 US-11-604-514-1000-11-66 107-11-60-11-66 107-1	071 104 6.7 249 11 US-11-056-825-4 072 104 6.7 249 11 US-11-056-825-4 073 104 6.7 249 11 US-11-266-848-1030	070 104 6.7 247 11 US-11-056-825-8	068 104.5 6.8 551 11 US-11-000-463-346	066 104.5 6.8 321 11 US-11-186-422-8 067 104.5 6.8 364 11 US-11-128-900-100	064 104.5 6.8 255 11 US-11-054-515-1914 065 104.5 6.8 255 11 US-11-266-444-1914	062	061 104.5 6.8 251 11 US-11-054-515-1147	059 104.5 6.8 248 11 US-11-266-444-2071	057 104.5 6.8 248 11 US-11-266-444-1717 058 104.5 6.8 248 11 US-11-266-444-1717	056 104.5 6.8 248 11 US-11-054-515-2071	054	053 104.5 6.8 244 11 US-11-266-444-1524	1051 104.5 6.8 243 11 US-11-266-444-2051	1050 104.5 6.8 243 11 US-11-266-444-1935	1048 104.5 6.8 243 11 US-11-054-515-1935	1046 105 6.8 464 9 US-10-453-372-774 :	1045 105 6.8 340 10 US-11-180-855-3	043 105 6.8 317 11 US-11-217-995-9	041 105 6.8 302 11 US-11-264-096-2151 042 105 6.8 310 11 US-11-217-995-11	1039 105 6.8 259 11 US-11-054-515-1043 1040 105 6.8 259 11 US-11-266-444-1043
1105 103.5 6.7 245 11 US-11-266-444-1896 Sequent 106 103.5 6.7 247 11 US-11-265-4515-2092 Sequent 1107 103.5 6.7 247 11 US-11-266-444-2092 Sequent 1108 103.5 6.7 248 11 US-11-265-4515-1267 Sequent 1108 103.5 6.7 248 11 US-11-265-444-207 Sequent 1108 1108 103.5 6.7 248 11 US-11-265-444-207 Sequent 1108 103.5 6.7 248 11 US-11-265-444 103.5 6	1103 103.5 6.7 245 9 US-10-115-609-2 Sequenc 1104 103.5 6.7 245 11 US-11-054-515-1896 Sequenc	1101 103.5 6.7 244 11 US-11-266-444-1124 Sequen	1099 103.5 6.7 243 11 US-11-54-515-1969 Sequen	1097 103.5 6.7 239 10 US-11-211-917-102 Sequen	1095 103.5 6.7 239 10 US-11-211-917-16 Sequen	1093 103.5 6.7 222 9 US-10-453-372-844 Sequenc 1094 103.5 6.7 238 9 US-10-496-284-19 Sequenc	092 103.5 6.7 213 10 US-11-254-182-54 Sequen	090 104 6.7 346 11 US-11-051-720-1384 Sequenc	088 104 6.7 311 11 US-11-000-463-829 sequen 089 104 6.7 346 11 US-11-050-857-554 Sequen	1087 104 6.7 259 11 US-11-266-444-1270 Sequen	1085 104 6.7 259 11 US-11-054-515-1270 Sequen	1083 104 6.7 259 11 US-11-054-515-1025 Sequen	1082 104 6.7 257 11 US-11-054-515-1256 Sequen	1080 104 6.7 256 11 US-11-266-444-2119 Sequen	1079 104 6.7 253 11 US-11-259-232-55 Sequen	1077 104 6.7 251 11 US-11-266-444-1231 Sequen 1078 104 6.7 253 11 US-11-259-232-44 Sequen	1076 104 6.7 251 11 US-11-266-444-6 Sequen	1074 104 6.7 251 11 US-11-200 14-11-11-11-11-11-11-11-11-11-11-11-11-1	0/1 104 6.7 249 11 05-11-05-25-4 Sequent 072 104 6.7 249 11 115-11-266-2444-1020 Sequent	070 104 6.7 247 11 US-11-056-825-8 Sequen	068 104.5 6.8 551 11 US-11-000-463-346 Sequen	066 104.5 6.8 321 11 US-11-186-422-8 Sequen 067 104.5 6.8 364 11 US-11-128-900-100 Sequen	064 104.5 6.8 255 11 US-11-054-515-1914 Sequen	062	061 104.5 6.8 251 11 US-11-054-515-1147 Sequen	059 104.5 6.8 248 11 US-11-266-444-2071 Seguen	057 104.5 6.8 248 11 US-11-266-444-1717 Sequent	056 104.5 6.8 248 11 US-11-054-515-2071 Sequen	054 104.5 6.8 248 11 US-11-054-515-1237 Sequen 055 104.5 6.8 248 11 US-11-054-515-1717 Sequen	053 104.5 6.8 244 11 US-11-266-444-1524 Sequen	1051 104.5 6.8 243 11 US-11-266-444-2051 Sequen	1050 104.5 6.8 243 11 US-11-266-444-1935 Sequen	1048 104.5 6.8 243 11 US-11-054-515-1935 Sequen	1046 105 6.8 464 9 US-10-453-372-774 Sequenc	1045 105 6.8 340 10 US-11-180-855-3 Sequen	043 105 6.8 317 11 US-11-217-995-9 Sequen	041 105 6.8 302 11 US-11-264-096-2151 Sequen 042 105 6.8 310 11 US-11-217-995-11 Sequen	1039 105 6.8 259 11 US-11-266-444-1043 Sequen
1105 103.5 6.7 245 1 1106 103.5 6.7 247 1 1107 103.5 6.7 247 1 1108 103.5 6.7 248 1	1103 103.5 6.7 245 9 US-10-115-609-2 Sequenc 1104 103.5 6.7 245 11 US-11-054-515-1896 Sequenc	1101 103.5 6.7 244 11 US-11-266-444-1124 Sequen	1099 103.5 6.7 243 11 US-11-54-515-1969 Sequen	1097 103.5 6.7 239 10 US-11-211-917-102 Sequen	1095 103.5 6.7 239 10 US-11-211-917-16 Sequen	1093 103.5 6.7 222 9 US-10-453-372-844 Sequenc 1094 103.5 6.7 238 9 US-10-496-284-19 Sequenc	092 103.5 6.7 213 10 US-11-254-182-54 Sequen	090 104 6.7 346 11 US-11-051-720-1384 Sequenc	088 104 6.7 311 11 US-11-000-463-829 sequen 089 104 6.7 346 11 US-11-050-857-554 Sequen	1087 104 6.7 259 11 US-11-266-444-1270 Sequen	1085 104 6.7 259 11 US-11-054-515-1270 Sequen	1083 104 6.7 259 11 US-11-054-515-1025 Sequen	1082 104 6.7 257 11 US-11-054-515-1256 Sequen	1080 104 6.7 256 11 US-11-266-444-2119 Sequen	1079 104 6.7 253 11 US-11-259-232-55 Sequen	1077 104 6.7 251 11 US-11-266-444-1231 Sequen 1078 104 6.7 253 11 US-11-259-232-44 Sequen	1076 104 6.7 251 11 US-11-266-444-6 Sequen	1074 104 6.7 251 11 US-11-200 14-11-11-11-11-11-11-11-11-11-11-11-11-1	0/1 104 6.7 249 11 05-11-05-25-4 Sequent 072 104 6.7 249 11 115-11-266-2444-1020 Sequent	070 104 6.7 247 11 US-11-056-825-8 Sequen	068 104.5 6.8 551 11 US-11-000-463-346 Sequen	066 104.5 6.8 321 11 US-11-186-422-8 Sequen 067 104.5 6.8 364 11 US-11-128-900-100 Sequen	064 104.5 6.8 255 11 US-11-054-515-1914 Sequen	062	061 104.5 6.8 251 11 US-11-054-515-1147 Sequen	059 104.5 6.8 248 11 US-11-266-444-2071 Seguen	057 104.5 6.8 248 11 US-11-266-444-1717 Sequent	056 104.5 6.8 248 11 US-11-054-515-2071 Sequen	054 104.5 6.8 248 11 US-11-054-515-1237 Sequen 055 104.5 6.8 248 11 US-11-054-515-1717 Sequen	053 104.5 6.8 244 11 US-11-266-444-1524 Sequen	1051 104.5 6.8 243 11 US-11-266-444-2051 Sequen	1050 104.5 6.8 243 11 US-11-266-444-1935 Sequen	1048 104.5 6.8 243 11 US-11-054-515-1935 Sequen	1046 105 6.8 464 9 US-10-453-372-774 Sequenc	1045 105 6.8 340 10 US-11-180-855-3 Sequen	043 105 6.8 317 11 US-11-217-995-9 Sequen	041 105 6.8 302 11 US-11-264-096-2151 Sequen 042 105 6.8 310 11 US-11-217-995-11 Sequen	1039 105 6.8 259 11 US-11-266-444-1043 Sequen

1176 1177 1178 1179 1180 1181 1181	1171 1172 1173 1173 1174 1175	1168 1169 1170	1167	164	3 25 22	00	w ~	0 0						1ω 4	10	ဖထ	76	ט אה נ	N			76	() IIS	ωĸ	, <u>;;</u>	2 6		116	14	72	
102.5	102.5	2000	222	200	3	103	103	103	103	103	103	$\circ \cdot \cdot$		103.5					•									•			
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,																			•									•	• •	6.7	6.7
248 11 248 11 248 11 248 11 250 11 250 11					9 0	===	11	11	:::	:::	:::	==:	==	9 11 9	• • •	==	##	11	o o	φφ	911	9	11	11	:::	11	11	11	11	##	11
US-11-054-515-1771 US-11-266-444-1181 US-11-266-444-1588 US-11-266-444-1771 US-11-054-515-851 US-11-054-515-897 US-11-054-515-1977	US-11-054-515-1993 US-11-266-444-1400 US-11-266-444-1993 US-11-054-515-1181 US-11-054-515-1588	US-11-266-444-1638 US-11-266-444-2068 US-11-054-515-1400	US-11-266-444-1742 US-11-054-515-1638 US-11-054-515-2068	US-11-211-91/-56 US-11-054-515-1742	US-10-453-372-790 US-10-453-372-776	US-11-054-515-1349 US-11-266-444-1349	US-11-054-515-1551 US-11-266-444-1551	US-11-266-444-1312 US-11-266-444-1971	US-11-054-515-1312 US-11-054-515-1971	US-11-266-444-1291 US-11-266-444-1547	US-11-054-515-1291 US-11-054-515-1547	US-11-198-819-18 US-11-052-554A-38	US-11-198-819-16 US-11-198-819-16	US-10-453-3/2-1038 US-11-113-424-81 US-10-884-730-381	US-10-453-372-1020 US-10-016-686-3	US-11-147-780-22 US-11-147-780-23	US-11-190-364-22 US-11-190-364-23	US-11-106-820-25	US-10-453-372-1026	US-10-453-372-1040 US-10-453-372-1022	US-11-198-819-20 US-10-453-372-1024	US-10-453-372-1028 US-11-198-819-14	US-11-217-995-10 US-11-113-424-80	US-11-266-444-1603	US-11-266-444-1866	US-11-266-444-1698 US-11-054-515-1866	US-11-266-444-1646	US-11-054-515-1698	US-11-054-515-1557 US-11-054-515-1646	US-11-266-444-1017 US-11-266-444-1174	-11-054-515-: -11-054-515-:
177 118 158 177 177 851 197			e 1631 e 2061	e 174	190	Sequence 134 Sequence 134	155	197	191	154	154	Sequence 18, Appl Sequence 38, Appl	Sequence 10,	Sequence 1030 Sequence 81,	9 1020	(3 (3	NNI	Sequence 2	equence 10	equence 10	102	1028	10, Aç 80, Aç	1603,	equence 1866,	equence 1698, equence 1866.	equence 1646,	equence 1698,	equence 1557, equence 1646,	quence 1017, quence 1174,	equence 101 equence 117
ত ত ত ত ত ত ত	993, Ap 990, Ap 993, Ap 181, Ap 588, Ap	38, Ap 68, Ap 00, Ap	, , Ap	Ap Ap	9	Ap Ap	Ap Ap	Ap Ap	Ą	ซิซิ	ซีซี	22;	22,	920	P-70	ح ت	221	22.0	י סי כ	0.0	יביים	<u>.</u> .	44	יט טי	75 1	סי ט	ָּהָי פֿי פֿי	י פֿי פֿי	ָּטּי טֿ	Ąp P	Ap Ap
1254 1255 1256 1257 1257 1259 1259 1250	Ap Ap Ap Ap	40 40 40 40	Ap Ap Ap	Ap					****							-										_			118 118	11	118
	Ap 1249 Ap 1250 Ap 1251 Ap 1252 Ap 1252 Ap 1253	Ap 1246 Ap 1247 Ap 1248	Ap 1244 Ap 1244 Ap 1245	Ap 1242	1239 1240	1237 1238	1235	1233	1231 101. 1232 101.	1229 101.	1227	1225 101 1226 101	1218 1	1216	1213 1	1211 1 1212 1	1209 1	1207	1205	1203 1204	1201	1199 10 1200 10	1197 102. 1198 10	1195 102.	1194 102	1192 102. 1193 102.	1191 102.	1189 102.	1187 102. 1188 102.	118 118	1183 102. 1184 102.
1254 101. 1255 101. 1256 101. 1257 101. 1259 101. 1259 101. 1260 101.	Ap 1249 101.5 6. Ap 1250 101.5 6. Ap 1251 101.5 6. Ap 1252 101.5 6. Ap 1253 101.5 6. Ap 1253 101.5 6.	Ap 1246 101.5 6. Ap 1247 101.5 6. Ap 1248 101.5 6.	Ap 1244 101.5 6. Ap 1244 101.5 6. Ap 1245 101.5 6.	Ap 1242 101.5 6.	1239 101.5 6.	1237 101.5 6. 1238 101.5 6.	1235 101.5 6. 1236 101.5 6.	1233 101.5 6. 1234 101.5 6.	1231 101.5 6. 1232 101.5 6.	1229 101.5 6. 1230 101.5 6.	1227 101.5 6. 1228 101.5 6.	1225 101.5 6. 1226 101.5 6.	1218 102 6. 1224 102 6.	1216 102 6. 1217 102 6.	1213 102 6. 1214 102 6.	1211 102 6. 1212 102 6.	1209 102 6. 1210 102 6.	1207 102 6.	1205 102 6.	1203 102 6. 1204 102 6.	1201 102 6. 1202 102 6.	1199 102 6. 1200 102 6.	1197 102.5 6. 1198 102 6.	1196 102.5 6.	1194 102.5	1192 102.5 6. 1193 102.5 6.	1191 102.5 6.	1189 102.5 6.	1187 102.5 6. 1188 102.5 6.	1185 102.5 6. 1186 102.5 6.	1183 102.5 6. 1184 102.5 6.
1254 101.5 6. 1255 101.5 6. 1256 101.5 6. 1257 101.5 6. 1259 101.5 6. 1259 101.5 6.	Ap 1249 101.5 6.6 251 Ap 1250 101.5 6.6 251 Ap 1251 101.5 6.6 251 Ap 1252 101.5 6.6 251 Ap 1253 101.5 6.6 251 Ap 1253 101.5 6.6 251	Ap 1246 101.5 6.6 248 Ap 1247 101.5 6.6 248 Ap 1248 101.5 6.6 250	Ap 1243 101.5 6.6 248 Ap 1244 101.5 6.6 248 Ap 1245 101.5 6.6 248	Ap 1242 101.5 6.6 248	1239 101.5 6.6 248 1240 101.5 6.6 248	1237 101.5 6.6 248 1238 101.5 6.6 248	1235 101.5 6.6 248 1236 101.5 6.6 248	1233 101.5 6.6 248 1234 101.5 6.6 248	1231 101.5 6.6 248 1232 101.5 6.6 248	1229 101.5 6.6 240 1230 101.5 6.6 248	1227 101.5 6.6 239 1228 101.5 6.6 239	1225 101.5 6.6 237 1226 101.5 6.6 237	1218 102 6.6 551 1224 102 6.6 1237	1215 102 6.6 259 1216 102 6.6 259 1217 102 6.6 458	1213 102 6.6 257 1214 102 6.6 257	1211 102 6.6 255 1212 102 6.6 255	1209 102 6.6 253 1210 102 6.6 253	1207 102 6.6 252 1208 102 6.6 252	1205 102 6.6 251	1203 102 6.6 251 1204 102 6.6 251	1201 102 6.6 250 1202 102 6.6 250	1199 102 6.6 241 1200 102 6.6 241	1197 102.5 6.6 447 1 1198 102 6.6 235 9	1196 102.5 6.6 260 1	1194 102.5 6.6 258 1	1192 102.5 6.6 252 1 1193 102.5 6.6 252 1	1191 102.5 6.6 252 1	1189 102.5 6.6 251 1	1187 102.5 6.6 251 1 1188 102.5 6.6 251 1	1185 102.5 6.6 250 1186 102.5 6.6 251	1183 102.5 6.6 250 1 1184 102.5 6.6 250 1
1254 101.5 6.6 251 1255 101.5 6.6 251 1256 101.5 6.6 251 1257 101.5 6.6 251 1259 101.5 6.6 251 1259 101.5 6.6 251 1260 101.5 6.6 251	Ap 1249 101.5 6.6 250 11 US Ap 1250 101.5 6.6 251 11 US Ap 1251 101.5 6.6 251 11 US Ap 1252 101.5 6.6 251 11 US Ap 1253 101.5 6.6 251 11 US Ap 1253 101.5 6.6 251 11 US Ap 1253 101.5 6.6 251 11 US	Ap 1246 101.5 6.6 248 11 US Ap 1247 101.5 6.6 248 11 US Ap 1248 101.5 6.6 250 11 US	Ap 1243 101.5 6.6 248 11 US Ap 1244 101.5 6.6 248 11 US Ap 1245 101.5 6.6 248 11 US	Ap 1242 101.5 6.6 248 11 US	1239 101.5 6.6 248 11 US	1237 101.5 6.6 248 11 US 1238 101.5 6.6 248 11 US	1235 101.5 6.6 248 11 US	1234 101.5 6.6 248 11 US	1231 101.5 6.6 248 11 US	1229 101.5 6.6 240 11 US	1227 101.5 6.6 239 11 US	1225 101.5 6.6 237 11 US 1226 101.5 6.6 237 11 US	1218 102 6.6 551 11 US	1215 102 6.6 259 11 US	1213 102 6.6 257 11 US 1214 102 6.6 257 11 US	1211 102 6.6 255 11 US 1212 102 6.6 255 11 US	1209 102 6.6 253 11 US 1210 102 6.6 253 11 US	1207 102 6.6 252 11 US	1205 102 6.6 251 11 US	1203 102 6.6 251 11 US	1201 102 6.6 250 11 US 1202 102 6.6 250 11 US	1199 102 6.6 241 11 US	1197 102.5 6.6 447 10 US	1195 102.5 6.6 260 11 UE	1194 102.5 6.6 258 11 US	1192 102.5 6.6 252 11 US	1191 102.5 6.6 252 11 00	1189 102.5 6.6 251 11 US	1187 102.5 6.6 251 11 US 1188 102.5 6.6 251 11 US	1185 102.5 6.6 250 11 US 1186 102.5 6.6 251 11 US	1183 102.5 6.6 250 11 US

333322222222333220987654	319 320 321 322 323	1315 1316 1317 1317												•							- 0	ω ω	267	1014	0	
100.5 100.5	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101.5	325	225	225	223	22	ខ្ព	225	325	101.5	2
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,																										
976 976 976 976 976 976 976 976 237 237	902 972 976 976	9999 902 902	447 900	409	298 331	225 256 866	255	253	253 253	253	251 251 253	251	251 251	249	247	945	4 C) A	478	462	462	453 453	278 313	258	250	253 253	251
=======================================	:: *::		110	118	222	::::	###	:::	###		111	::::	===	##	:::	:11	°11	:::	##	:::	110	11	111	::::		$\mathbf{\mu}$
US-11-17-894-18 US-11-177-894-18 US-11-177-894-19 US-11-177-894-20 US-11-177-894-21 US-11-174-287-1 US-11-154-287-1 US-11-154-288-1 US-11-054-515-2005	US-11-205-935-14 US-11-177-894-17 US-10-511-937-2423 US-11-148-770-31 US-11-177-894-15	US-11-205-935-10 US-11-144-987-12 US-11-144-987-14 US-11-205-935-12	US-11-221-902-6 US-11-221-902-6 US-11-144-987-10	50	US-11-259-232-60 US-11-264-096-1917	US-11-054-515-1463 US-11-266-444-1463 US-11-259-232-70				11-054-515-148 11-054-515-198 11-106-820-20							US-11-264-096-302 US-11-022-289-3					-11-192-12: -11-000-46:	-11-266-444-104	-11-054-515- -11-054-515-	-11-054-515-150 -11-266-444-150 -11-054-515-103	66-444-154
Sequence 15, Appl Sequence 18, Appl Sequence 19, Appl Sequence 20, Appl Sequence 21, Appl Sequence 1, Appl Sequence 1, Appli Sequence 1, Appli Sequence 1865, Ap Sequence 2003, Ap Sequence 2005, Ap	equence 14 equence 17 quence 242 quence 31 equence 31		10,	31, 1 e 150:	e 60,	e 146	669	e 148	ce 18, App ce 18, App ce 1375, A	e 148	Sequence 1220, Ap Sequence 1800, Ap Sequence 1375, Ap	De 102	3e 114 3e 123	e 162	6 17C	e 38,	Sequence Sequence		equence	equence	equence	equence .	equence	equence	equenc	Sequence 1542, Ap
1402 1403 1403 1404 1405 1407 1407 1409 1410	1397 1398 1399 1400	1393 1394 1395 1396	999	တတ	1386	1383 1384	0000	1373 1374	1370 1371 1372	1000	1364 1365 1366	000	1359 1360 1361	ហហ	1355 .	וטו	ர பா ப	441	44	4.		1341 1342		ມພູ	1335 1336	w
PP000000000	97 10 98 10 99 10	93 94 10 95 10	91 10	10	86 10	83 10 84 10	81 10 82 10	73 100. 74 100. 75 100	71 100. 72 100.	68 100. 69 100.	65 100. 66 100.	62 100.	60 100. 60 100.	57 100. 58 100.	55 . 100.	53 100.	51 100.	49 100.	47 100.	45 100.	43 100. 44 100.	41 100. 42 100.	40 100.	38 100.	35 100. 36 100.	34 100.
000 000 000 000 000 000 000 000 000 00	97 100 6. 98 100 6. 99 100 6. 99 100 6.	93 100 6. 94 100 6. 95 100 6. 96 100 6.	92 100 6.	88 100 6. 89 100 6.	86 100 6. 87 100 6.	83 100 6. 84 100 6. 85 100 6.	81 100 6. 82 100 6.	73 100.5 6. 74 100.5 6. 75 100 5 6	71 100.5 6. 72 100.5 6.	68 100.5 6. 69 100.5 6.	65 100.5 6. 66 100.5 6.	62 100.5 6.	59 100.5 6. 60 100.5 6. 61 100.5 6.	57 100.5 6. 58 100.5 6.	55 . 100.5 6.	53 100.5 6.	51 100.5 6.	100.5 6.	47 100.5 6.	45 100.5 6.	43 100.5 6. 44 100.5 6.	41 100.5 6. 42 100.5 6.	40 100.5 6.	38 100.5 6.	35 100.5 6. 36 100.5 6. 37 100 5 6	34 100.5 6.
02 100 6.5 24 03 100 6.5 24 04 100 6.5 24 05 100 6.5 24 06 100 6.5 24 07 100 6.5 25 09 100 6.5 25 11 100 6.5 25 25 25	97 100 6.5 98 100 6.5 99 100 6.5 00 100 6.5	93 100 6.5 24 94 100 6.5 24 95 100 6.5 24 96 100 6.5 24	91 100 6.5 24 92 100 6.5 24	88 100 6.5 24 89 100 6.5 24	86 100 6.5 24 87 100 6.5 24	83 100 6.5 24 84 100 6.5 24 85 100 6.5 24	81 100 6.5 22 82 100 6.5 23	73 100.5 6.5 40 74 100.5 6.5 40 75 100 5 6 5 47	70 100.5 6.5 35 71 100.5 6.5 35 72 100.5 6.5 36	67 100.5 6.5 25 68 100.5 6.5 25 69 100.5 6.5 25	64 100.5 6.5 24 65 100.5 6.5 25 66 100.5 6.5 25	62 100.5 6.5 24 63 100.5 6.5 24	59 100.5 6.5 24 60 100.5 6.5 24 61 100.5 6.5 24	57 100.5 6.5 23 58 100.5 6.5 24	55 . 100.5 6.5 23 56 100.5 6.5 23	53 100.5 6.5 23	51 100.5 6.5 23 51 100.5 6.5 23	49 100.5 6.5 23	47 100.5 6.5 23	45 100.5 6.5 23	43 100.5 6.5 23 44 100.5 6.5 23	41 100.5 6.5 23 42 100.5 6.5 23	40 100.5 6.5 23	38 100.5 6.5 23	35 100.5 6.5 23 36 100.5 6.5 23	34 100.5 6.5 23
02 100 6.5 249 11 03 100 6.5 249 11 04 100 6.5 249 11 05 100 6.5 249 11 06 100 6.5 249 11 07 100 6.5 249 11 08 100 6.5 250 11 10 100 6.5 250 11 11 100 6.5 250 11	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	91 100 6.5 247 11 92 100 6.5 247 11	88 100 6.5 247 11 89 100 6.5 247 11	86 100 6.5 245 11 87 100 6.5 245 11	83 100 6.5 240 11 84 100 6.5 240 11 85 100 6.5 241 9	81 100 6.5 229 9 82 100 6.5 233 9	73 100.5 6.5 406 11 74 100.5 6.5 406 11 75 100 5 6.5 474 11	70 100.5 6.5 254 11 71 100.5 6.5 359 11 72 100.5 6.5 365 11	67 100.5 6.5 251 11 68 100.5 6.5 251 11 69 100.5 6.5 254 11	64 100.5 6.5 249 11 65 100.5 6.5 251 11 66 100.5 6.5 251 11	62 100.5 6.5 248 11 63 100.5 6.5 248 11	59 100.5 6.5 246 11 60 100.5 6.5 248 11 61 100.5 6.5 248 11	57 100.5 6.5 239 10 58 100.5 6.5 246 11	55 . 100.5 6.5 237 11 56 . 100.5 6.5 239 10	53 100.5 6.5 237 11	50 100.5 6.5 237 11 51 100.5 6.5 237 11	48 100.5 6.5 237 11 49 100.5 6.5 237 11	46 100.5 6.5 237 11 47 100.5 6.5 237 11	45 100.5 6.5 237 11	43 100.5 6.5 237 11 44 100.5 6.5 237 11	41 100.5 6.5 237 11 42 100.5 6.5 237 11	40 100.5 6.5 237 11	37 100.5 6.5 237 11 38 100.5 6.5 237 11 39 100.5 6.5 237 11	35 100.5 6.5 237 11 36 100.5 6.5 237 11 37 100 5 6.5 237 11	34 100.5 6.5 237 11
02 100 6.5 249 11 US-11-054-515-141 03 100 6.5 249 11 US-11-054-515-141 04 100 6.5 249 11 US-11-054-515-141 05 100 6.5 249 11 US-11-266-444-540 06 100 6.5 249 11 US-11-266-444-41 07 100 6.5 249 11 US-11-266-444-141 08 100 6.5 249 11 US-11-266-444-141 08 100 6.5 250 11 US-11-266-444-182 10 100 6.5 250 11 US-11-266-444-1842 11 100 6.5 250 11 US-11-266-444-1842	97 100 6.5 247 11 US-11-266-444-3 98 100 6.5 247 11 US-11-266-444-1 99 100 6.5 247 11 US-11-266-444-1 00 100 6.5 247 11 US-11-266-444-1 01 100 6.5 247 11 US-11-266-444-1	93 100 6.5 247 11 US-11-054-515-175 94 100 6.5 247 11 US-11-054-515-175 95 100 6.5 247 11 US-11-266-444-969 96 100 6.5 247 11 US-11-266-444-142	91 100 6.5 247 11 US-11-054-515- 92 100 6.5 247 11 US-11-054-515- 92 100 6.5 247 11 US-11-054-515-	88 100 6.5 247 11 US-11-054-515-969 89 100 6.5 247 11 US-11-054-515-142	86 100 6.5 245 11 US-11-266-444-1	83 100 6.5 240 11 US-11-054-515- 84 100 6.5 240 11 US-10-902-546-5 85 100 6.5 241 9 US-10-902-546-5	81 100 6.5 229 9 US-10-923-327-1 82 100 6.5 233 9 US-10-923-327-1	73 100.5 6.5 406 11 US-11-000-463-74 100.5 6.5 406 11 US-11-000-463-75 100.5 6.5 474 11 US-11-000-463-75	70 100.5 6.5 254 11 US-11-265-949-177-29 71 100.5 6.5 359 11 US-11-087-177-2 72 100.5 6.5 365 11 US-11-087-177-5	67 100.5 6.5 251 11 US-11-266 68 100.5 6.5 251 11 US-11-266 69 100.5 6.5 254 11 US-11-054	64 100.5 6.5 249 11 US-11-2/UT-US- 65 100.5 6.5 251 11 US-11-054-515- 66 100.5 6.5 251 11 US-11-054-515-	62 100.5 6.5 248 11 US-11-266-444-63 100.5 6.5 248 11 US-11-266-444-63 100.5 6.5 248 11 US-11-266-444-	59 100.5 6.5 246 11 US-11-266-444-126 60 100.5 6.5 248 11 US-11-054-515-959 61 100.5 6.5 248 11 US-11-054-515-209	57 100.5 6.5 239 10 US-11-211-917- 58 100.5 6.5 246 11 US-11-054-515-	54 100.5 6.5 237 11 US-11-266-444-211 55 100.5 6.5 237 11 US-11-211-917-8	53 100:5 6.5 237 11 US-11-266-444-210	50 100.5 6.5 237 11 US-11-266-444-204 51 100.5 6.5 237 11 US-11-266-444-204 52 100.5 6.5 237 11 US-11-266-444-204	48 100.5 6.5 237 11 US-11-266-444-202 49 100.5 6.5 237 11 US-11-266-444-202	47 100.5 6.5 237 11 US-11-266-444-201	45 100.5 6.5 237 11 US-11-266-444-200	43 100.5 6.5 237 11 US-11-054-515-211 44 100.5 6.5 237 11 US-11-266-444-200	41 100.5 6.5 237 11 US-11-054-515-210	40 100.5 6.5 237 11 US-11-054-515-204	3/ 100.5 6.5 237 11 US-11-054-515-202 38 100.5 6.5 237 11 US-11-054-515-202 30 100.5 6.5 237 11 US-11-054-515-204	35 100.5 6.5 237 11 US-11-054-515- 36 100.5 6.5 237 11 US-11-054-515-	34 100.5 6.5 237 11 US-11-054-515-201

	168 169 170 172	1459 1460 1461 1462 1463 1463	1455 1455 1456 1457	1450 1451 1452 1453	1446 1447 1448 1449	1441 1442 1443 1444	1437 1438 1439 1440	1434 1435 1436	1431 1432 1433	1429	1426	1424 1425	1422	1420	1418	1416	1414	412 413
, , , , , , , , , , , , , , , , , , ,		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	99999	9999	• • • • •	• • • • •	9999	100	000	000	000	00	000	000	000	00	00	00
		0000000 44444		00000 . 4 4 4 4	00000 1444	00000 4444	0000		ი ი ი		, o, o,	ი. ა. ა.	იი. თაი	, o, o	n on c	ი ი : ს ს	ი ი : თ თ :	თ თ თ თ
00000000000000000000000000000000000000	452 6462 200 223 234 240	2255 255 255 88 255 89 247	22222 2222 5444 56666	2222 2444 8888	2244 244 247	2443	237 237 237 237	910 910	451 451 467	281	258 258	255 255	253 253	253	253	251 251	251	251 251
	11 0 0 0 0 11 11					::::::	11119	===	111	911	:::	11	111	:::	:::	11	##	11
US-11-266-444-2041 US-11-266-444-2041 US-11-054-515-1900 US-11-266-444-1268 US-11-054-515-1328 US-11-054-515-1328 US-11-054-515-1328 US-11-054-515-1328 US-11-054-515-1334 US-11-054-515-1434 US-11-266-444-1328 US-11-266-444-1328 US-11-266-444-1328 US-11-266-444-1328	US-11-016-503-6 US-11-177-648-29 US-10-512-184-48 US-10-485-788A-573 US-10-923-327-13 US-10-923-327-13 US-10-546-594-132 US-11-054-515-2041	5 07 78	US-11-147-780-15 US-11-266-444-861 US-11-266-444-1182 US-11-266-444-1185 US-11-266-444-1187	US-11-054-515-1182 US-11-054-515-1765 US-11-106-820-16 US-11-190-364-15		US-11-054-515-1909 US-11-266-444-1909 US-11-054-515-1286 US-11-054-515-1920 US-11-054-515-1920		US-11-022-289-7 US-11-144-987-2 US-11-205-935-2	US-11-254-182-43 US-11-208-422-22 US-11-158-505-72	US-11-087-177-3 US-10-923-327-11	88	US-11-054-515-1153 US-11-266-444-1153	word	US-11-054-515-1530 US-11-054-515-1530	n w t	US-11-266-444-1225 US-11-266-444-2125		
Sequence 2041, Ap Sequence 1900, Ap Sequence 1900, Ap Sequence 1268, Ap Sequence 1268, Ap Sequence 1328, Ap Sequence 1328, Ap Sequence 2072, Ap Sequence 1328, Ap Sequence 1328, Ap Sequence 2072, Ap	Sequence 6, Appli Sequence 29, Appl Sequence 48, Appl Sequence 573, App Sequence 13, Appl Sequence 18, Appl Sequence 12, App Sequence 2041, Ap	Sequence 1137, Ap Sequence 1276, Ap Sequence 8, Appli Sequence 276, Ap Sequence 2303, Ap Sequence 8, Appli Sequence 335, App	Sequence 15, Appl Sequence 861, Appl Sequence 1182, Ap Sequence 1755, Ap Sequence 1137, Ap	Sequence 1182, Ap Sequence 1765, Ap Sequence 16, Appl Sequence 15, Appl	Sequence 1200, Ap Sequence 1920, Ap Sequence 1978, Ap Sequence 1978, Ap Sequence 861. App	Sequence 1909, Ap Sequence 1909, Ap Sequence 1286, Ap Sequence 1920, Ap	Sequence 9, Appli Sequence 2115, Ap Sequence 9, Appli Sequence 2115, Ap	Sequence Sequence Sequence	Sequence 43, Appl Sequence 22, Appl Sequence 72, Appl	Sequence 3, Appli Sequence 11, Appl	Sequence 2083, Ap Sequence 2083, Ap	Sequence 1153, Ap Sequence 1153, Ap	sequence 909, App Sequence 1359, Ap Sequence 1530, Ap	Sequence 1330, Ap	Sequence 909, App	Sequence 1225, Ap Sequence 2125, Ap	Sequence 2125, Ap Sequence 1211, Ap	Sequence 1211, Ap Sequence 1225, Ap
										Search completed Job time : 117	99	97 98 9	1494 1495 99	93 2	91	989	87 9	. • •
										earch completed: May ob time : 117 secs	99 99 6. 00 99 6.	97 99 6. 98 99 6.	9094	93 99 6.	91 99 6.	99 6.	87 99 6. 88 99 6.	85 99 6.
										earch completed: May 16, 2 ob time : 117 secs	99 99 6.4	97 99 6.4 98 99 6.4	95 99 6.4 96 99 6.4	93 99 6.4	91 99 6.4	99 6.4	87 99 6.4 88 99 6.4	85 99 6.4 86 99 6.4
										earch completed: May 16, 2006, ob time : 117 secs	99 99 6.4 451 00 99 6.4 451	97 99 6.4 451 98 99 6.4 451	95 99 6.4 277 96 99 6.4 451	93 99 6.4 259	91 99 6.4 258	89 99 6.4 257 90 99 6.4 257	87 99 6.4 251 88 99 6.4 251	85 99 6.4 248 86 99 6.4 248
										earch completed: May 16, 200 ob time : 117 secs	99 99 6.4 451 10 US-11-254-182-4 00 99 6.4 451 11 US-11-124-620-5	97 99 6.4 451 9 US-10-923-33 98 99 6.4 451 10 US-11-254-1	94 99 6.4 237 11 US-11-26-617-55 95 99 6.4 277 11 US-11-126-617-55 96 99 6.4 451 9 US-10-923-327-7	93 99 6.4 259 11 US-11-054-154-1	91 99 6.4 258 11 US-11-054-515-1	89 99 6.4 257 11 US-11-054-E 90 99 6.4 257 11 US-11-266-4	87 99 6.4 251 11 US-11-054-515-1 88 99 6.4 251 11 US-11-266-444-1	85 99 6.4 248 11 US-11-054-515-1